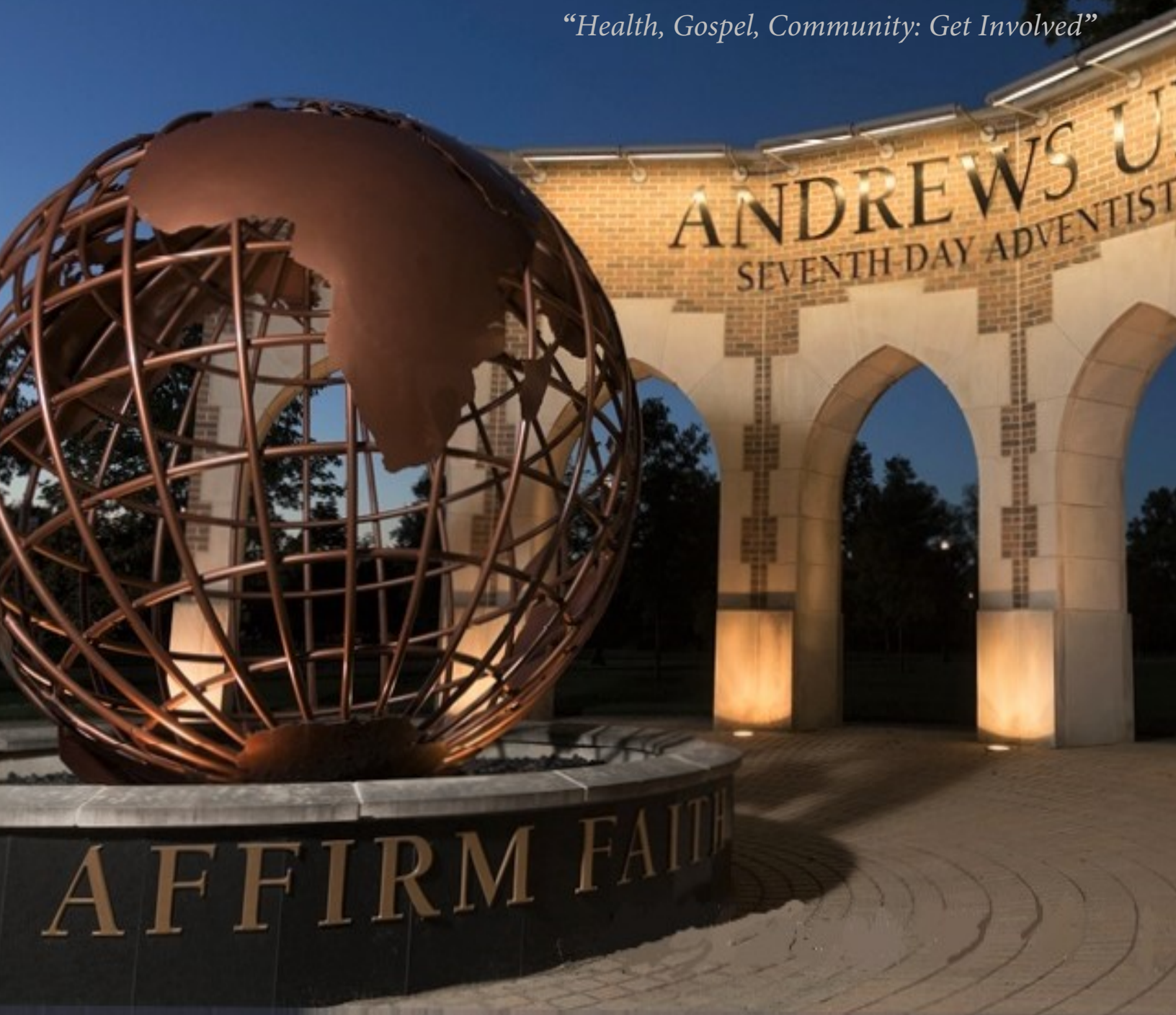


# Andrews Research Conference

*“Early Career Social Sciences”*

# Adventist Human-Subject Researchers Association Conference

*“Health, Gospel, Community: Get Involved”*



May 17-21, 2021 Virtual Conference



Dear Members and Attendees of the Andrews Research Conference & Adventist Human-Subject Researchers Association virtual conferences,

As president of Andrews University, it is my pleasure to welcome you to the 7th annual Andrews Research Conference (ARC) from May 17-18, 2021, and the 9th annual Adventist Human-Subjects Researchers Association (AHSRA) conference from May 19-21, 2021. The pandemic is still with us, but the passion and rigor we commit to research have not been diminished.

The work of ARC and AHSRA is important to our University as we understand good research to be vital to the growth of understanding and relevance in both our religious and academic institutions. I have observed the growth of both conferences over the years and I am particularly encouraged by the increase in the number of international presenters. This is in full alignment with our global understanding of our mission.

This year, the ARC conference focuses on the social sciences and the AHSRA conference focuses on broad issues in human subject research. This focus will highlight the work of researchers that can lead to a deeper understanding of the critical social, public health, and missiological issues facing humanity and our Church. The sessions can provide insights that contribute to the development of policies that impact our Church, our members, and the communities we serve. There is nothing more relevant in today's environment than the intersection between the community, health, and the gospel.

This intersection also reflects the roots of the Seventh-day Adventist church, with its strong early message linking the healing ministry of Christ with our desire to encourage healthy communities through health reform. This continues to be a strong focus of Andrews University.

I hope that this year's ARC and AHSRA conferences will provide significant opportunities for professional development, social engagement, and spiritual growth.



Sincerely,



Andrea Luxton, PhD  
President  
Andrews University

Dear conference participants,

The Andrews University Office of Research and Creative Scholarship is pleased to host the seventh annual Andrews Research Conference: Early Career Researchers in the Social Sciences, held this year in coordination with the Adventist Human-Subject Researchers Association (AHSRA) conference.

The purpose of the Andrews Research Conference (ARC) is to network young Adventist researchers, building relationships and partnerships that will enhance the professional careers of the participants while providing a place for them to share their research and creativity in the context of faith. Our focus this year includes anthropology, archaeology, community & international development, economics, political science, psychology, social work, sociology, and related disciplines.

The Andrews Research Conference and the Adventist Human-Subject Researchers Association conference are collaborating this year to bring together a dynamic synergy between generations of researchers. Whether you are registered for the ARC or the AHSRA conference, you are welcome to attend all of the sessions from both conferences. We encourage you to take advantage of the times provided to dialogue with each other and get to know the presenters and expand your professional network. Please visit us at <http://www.andrews.edu/research> to learn more about research and academic conferences at Andrews University



Sincerely,



Gary W. Burdick, Ph.D.  
Dean of Research  
Andrews University

Dear Members and Attendees of the 2021 Adventist Human-Subject Researchers Association Annual Conference & The Andrews University Research Conference,

I am very happy to welcome you to the 9th annual Adventist Human-Subjects Researchers Association Conference, May 19-21, and the Andrews University Research Conference for early career Social Scientists, May 17-19. These have been very challenging times for each of us as we have tried to remain safe and professionally active. We are very pleased to have received so many quality submissions for both conferences.

Hosting a virtual conference is new for us, but it will provide the opportunity for more of our members and potential members to present and attend. We expect attendance to be a new record. We are scheduling time not only for presentations, but also time for worship, planning, and just socializing with each other.

We continue to have a number of objectives for our annual conference: we hope to continue to build a network of Adventist Human-Subject Researchers, increase the capacity of the members of our association to conduct research, increase the amount of research our members engage in and publish, as well as facilitate interaction between AHSRA and early career Social Scientists. Many of our members are very active in working with the Church in research that directly affects discipling and retention. This is something our Association strongly encourages. We believe AHSRA's objectives can be better served through the creation of Regional Chapters and we have scheduled special sessions to facilitate these regional discussions.



*Duane McBride*

Duane McBride, Ph.D.

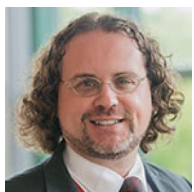
President, Adventist Human-Subject Researchers Association



I am very happy to bid you a welcome to the ninth Adventist Human Subject Researchers Conference, which is sponsored by the Office of Archives, Statistics, and Research (ASTR) of the General Conference of Seventh-day Adventists and, this year, by Andrews University. The 2021 conference comprises two events: the annual Andrews Research Conference (ARC), which in 2021 is for early career researchers in the social sciences (May 17-19); and the eighth annual meeting of the Adventist Human-Subject Researchers Association (May 19-21).

The last eighteen months have been very challenging for us all, personally and professionally, not least in attempting to remain active in scholarship. This year's conference is virtual and we will only be able to see each other on a screen.

We in ASTR are confident, however, that, as in the past, the conference will offer priceless opportunities to learn from colleagues; and we delighted to provide this chance for Adventist researchers to share the fruits of their research, and thus to improve Adventist collective self-understanding.



*D. J. B. Trim*

D. J. B. Trim, Ph.D., F.R.Hist.S.

Director of Archives, Statistics, and Research  
General Conference of Seventh-day Adventist



# ARC SCHEDULE

All times US Eastern Daylight Time

Monday, May 17, 2021

Help Desk: <https://andrews.zoom.us/j/4810223359>

8:30 a.m. – 9:00 a.m.		Networking
9:00 a.m. – 9:30 a.m.	Harvey Burnett, Chair, Social Behavioral Sciences, Andrews University	Devotional Message
9:30 a.m. – 9:45 a.m.	Gary Burdick, Dean of Research, Andrews University Andrea Luxton, President, Andrews University	Welcome
9:45 a.m. – 10:45 a.m.	Cooper Hodges, Virginia Commonwealth University <i>Traumatic Brain Injury: How Interdisciplinary Research Has Furthered Our Understanding of Head Injury.</i>	Plenary Presentation
10:45 a.m. – 11:00 a.m.		Break
11:00 a.m. – 12:30 p.m.	<b>ARC Session I: Education, Race, Justice, &amp; Equity</b> <ul style="list-style-type: none"><li>• Louis Peter. <i>Functional Educational System and Economic Growth: The Nigeria Perspective.</i></li><li>• Ranjith Gladstone. <i>Career Researchers of the Alumnus of an International Higher Education Institution in the Philippines from 2016-2020: A Case Study</i></li><li>• Jochebed Ade-Oshifogun, Jimmy Kajai, Jean Cadet, Zora Williams, and Amarpreet Sudhaker. <i>Students' perception of the impact of Covid-19 pandemic on their educational environment at Andrews University.</i></li><li>• Raimond D. Luntungan and Kepha O. Pondi. <i>Transitioning to Online Teaching in an Academy During COVID-19 Pandemic: A Case Study.</i></li><li>• Yanina C. Jimenez. <i>Educational Neuroscience and Equity, Trauma &amp; Online Learning University.</i></li><li>• Santosh Kumar. <i>Caste or Christ?: Empirical research on the existence of Caste in the Southern Asia Division of SDA.</i></li></ul>	
12:30 p.m. – 1:00 p.m.		Panel Discussion with Session I Presenters
1:00 p.m. – 2:30 p.m.	<b>ARC Session II: Sexuality, Family, &amp; Mental Health</b> <ul style="list-style-type: none"><li>• Stacie Hatfield. <i>You're already Black...": Intersections of Race and Gender for LGBTQ African American Children and Young Adults.</i></li><li>• Maci Chen, Curtis VanderWaal, Alina Baltazar, and Duane McBride. <i>Sexual Orientation, Substance Misuse, and Sexual Misconduct at a Conservative Christian University.</i></li><li>• Melody Ezpeleta. <i>The Importance of Assessing the Mental Health Needs in SDA Academies: An Invitation to Collaborate.</i></li><li>• Olasimbo Meduoye, <i>Assessment of social media impact on Christian Lifestyle among the redeemed Christian Church of God Youths.</i></li><li>• Ifeoma Helen Ayeni and Isaiah Ola Abolarin. <i>Balanced Media reporting and the African Image.</i></li><li>• Abimbola Oyindanola Fagbe. <i>Bibliotherapy as an alternative intervention for Psychosocial Disorder among adolescents in a selected university in Ogun state, Nigeria</i></li></ul>	
2:30 p.m. – 3:00 p.m.		Panel Discussion with Session II Presenters
Host: Gary Burdick		

8:30 a.m. – 9:00 a.m.		Networking
9:00 a.m. – 9:30 a.m.	Shannon Trecartin, Associate Professor of Social Work, Andrews University	Devotional Message
9:30 a.m. – 9:45 a.m.		Social Time
9:45 a.m. – 10:45 a.m.	Jean-Luc Murk, Clinical Microbiologist/Virologist	Plenary Presentation
	<i>Measuring the reliability of molecular tests to diagnose SARS-CoV-2 infection.</i>	
10:45 a.m. – 11:00 a.m.		Break
11:00 a.m. – 12:30 p.m.	<b>ARC Session III: Industry, &amp; Resource Management</b>	
	<ul style="list-style-type: none"> <li>• Abilio Henrique Berticelli de Freitas. <i>Urban or Rural: Where are people happier and why?</i></li> <li>• Lily D. Burke. <i>Emergence of Entrepreneurship in Transjordan during the Late Ottoman period.</i></li> <li>• Aliyu Rufai and Teniola Abosedede. <i>Covid-19 and Economic Growth in Developing Countries of Africa.</i></li> <li>• Godfrey Musara. <i>Technology and Innovation: A nexus of strategic leadership and sustainable competitive strategies: Case small holder famers intellectual property rights uptake in Zimbabwe.</i></li> <li>• Challis Pulotu. <i>Traditional Ecological Knowledge, beliefs, and practices associated with the Raggiana Bird-of-Paradise (<i>Paradisaea raggiana</i>) in Koiari, Central Province, Papua New Guinea.</i></li> <li>• Lillian Pazvakawambwa. <i>Water Consumption patterns and determinants among Adventist women in Namibia: A health perspective</i></li> </ul>	
12:30 p.m. – 1:00 p.m.		Panel Discussion with Session III Presenters
1:00 p.m. – 2:30 p.m.	<b>ARC Session IV: Media &amp; Communications</b>	
	<ul style="list-style-type: none"> <li>• Johnson Akintayo and Oluwafemi Temitayo Olomojobi. <i>Sublimating the Entertainment Expectations of Television Viewers with Educational Programming: Towards Sustainable Development in Africa.</i></li> <li>• Oluwaseyi Adewunmi Sodeinde. <i>Effect of Media Intervention on Knowledge, Attitude and Practice-Intention of Hypertension Prevention among the Working-Class in Ogun State, Nigeria.</i></li> <li>• Isabelle Dias. <i>Parental Stress and Feelings of Support by Speech-Language Pathologist of Children Receiving Speech and Language Services: A Correlational Study During COVID-19, School of Communication Sciences and Disorders.</i></li> <li>• Enrique Quezada, Marques Zarate, and Angel Armenta. <i>Se Habla Español: Spanish-language Appeals and Candidate Evaluations in the United States</i></li> <li>• Johnson Babafemi Akintayo and Onyechi Nonso Chukwujekwu. <i>Knowledge, Attitude, and Practice of the Change Begins with Me Media Campaign Messages by Youths in Lagos and Ogun States, Nigeria.</i></li> </ul>	
2:30 p.m. – 3:00 p.m.		Panel Discussion with Session IV Presenters
Host: Gary Burdick		

# AHSRA SCHEDULE

All times US Eastern Daylight Time

Wednesday, May 19, 2021

Help Desk: <https://andrews.zoom.us/j/4810223359>

8:30 a.m. – 9:00 a.m.		Social Time
9:00 a.m. – 9:30 a.m.	Paul Brantley, Vice President for Strategic Planning & Assessment, North American Division of SDA	Devotional Message
9:30 a.m. – 10:00 a.m.	Duane McBride - President, AHSRA Galina Stele - Research & Evaluation Manager, ASTR Curtis VanderWaal - AHSRA Program Director	Welcome
10:00 a.m. – 10:30 a.m.	Duane McBride	State/Vision of AHSRA
10:30 a.m. – 10:45 a.m.		Break
10:45 a.m. – 11:45 p.m.	<b>AHSRA Session I: Public Health</b> <ul style="list-style-type: none"><li>• Sabina Jeruto Bett, Dixon Anjejo, Jochebed Ade-Oshifogun, and Eric Rutto, <i>Effectiveness of educational intervention on diabetic knowledge, self-efficacy and HbA1c levels on Kenyan adults with T2DM.</i></li><li>• Jochebed Ade-Oshifogun and Abosede Obikunle, <i>Barriers to Breast Cancer Prevention and Screening among African American Women: A Qualitative Study.</i></li><li>• Stacie Hatfield, <i>Care, Community, and HIV Prevention among LGBTQ African Americans in Birmingham, Alabama.</i></li></ul>	
11:45 a.m. – 12:30 p.m.	Gary Fraser, Professor of Epidemiology, Loma Linda University	Plenary Presentation
	<i>Six decades of exciting discovery about “eating and health experience”.</i>	
12:30 p.m. – 1:30 p.m.		Poster Session I
	<b>Track I (Industry, &amp; Resource Management)</b> <ul style="list-style-type: none"><li>• Lily D. Burke. <i>Emergence of Entrepreneurship in Transjordan during the Late Ottoman period.</i></li><li>• Lillian Pazvakawambwa. <i>Water Consumption patterns and determinants among Adventist women in Namibia: A health perspective.</i></li><li>• Challis Pulotu. <i>Traditional Ecological Knowledge, beliefs, and practices associated with the Raggiana Bird-of-Paradise (Paradisaea raggiana) in Koiari, Central Province, Papua New Guinea.</i></li></ul>	
	<b>Track II (Media, &amp; Communications)</b> <ul style="list-style-type: none"><li>• Enrique Quezada. <i>Marques Zarate, and Angel Armenta. Se Habla Español: Spanish-language Appeals and Candidate Evaluations in the United States.</i></li><li>• Olasimbo Meduoye. <i>Assessment of social media impact on Christian Lifestyle among the redeemed Christian Church of God Youths.</i></li><li>• Raimond D. Luntungan and Kepha O. Pondi. <i>Transitioning to Online Teaching in an Academy During COVID-19 Pandemic: A Case Study.</i></li></ul>	
	<b>Track III (Education)</b> <ul style="list-style-type: none"><li>• Yanina C. Jimenez. <i>Educational Neuroscience and Equity, Trauma &amp; Online Learning University.</i></li><li>• Sonia Almwad. <i>Anxiety and Bilingual Students in the Classroom.</i></li><li>• Thula Norton Lambert <i>Learning to Become Teachers: A Narrative Photo-Elicitation Study Proposal.</i></li></ul>	
1:30 p.m. – 2:00 p.m.		ASHRA Member Business Session
Host: Curtis VanderWaal		

8:30 a.m. – 9:00 a.m.		Social Time
9:00 a.m. – 9:30 a.m.	Arceli Rosario, Education Dept. Chair, Adventist International Institute of Advanced Studies	Devotional Message
9:30 a.m. – 10:15 a.m.	Daniel Ganu, Associate Professor of Public Health Adventist University of Africa <i>African Seventh-day Adventist Health Studies: Phase One</i>	Plenary Presentation
10:15 a.m. – 10:30 a.m.		Break
10:30 a.m. – 11:30 p.m.	<b>AHSRA Session II: Seventh-day Adventist Health</b>	
	<ul style="list-style-type: none"> <li>• Petr Cincala and René Drumm, Pastor Health Study.</li> <li>• Edward K. Limo, Elizabeth Role, and Jackie K. Obey. <i>Correlates of health choices in view of emerging lifestyle diseases among SDA church members in Eldoret West, Kenya.</i></li> <li>• Alina Baltazar and Duane McBride. <i>The Role that Parenting Style Plays in Adventist College Student Alcohol and Marijuana Use.</i></li> </ul>	
11:30 a.m. – 11:45 a.m.		Break
11:45 a.m. – 12:45 p.m.	<b>AHSRA Session III: Seventh-day Adventist Families</b>	
	<ul style="list-style-type: none"> <li>• Wendy Jackson, <i>A Comparison of the Perceptions of the Mission of the Seventh-day Adventist Church Teachers in Adventist Schools in North America, Australia, and the Solomon Islands.</i></li> <li>• René Drumm, David Sedlacek, Shannon Trecartin, and Curtis VanderWaal, <i>“Every family has occasional difficulties”: The Stability of Family Dynamics Post Coming Out.</i></li> <li>• John Gavin, William Ellis, and Curtis VanderWaal, <i>The Adventist Vote: Responses to the 2020 National Pre-Election Survey.</i></li> </ul>	
12:45 p.m. – 1:00 p.m.		Announcements
1:00 p.m. - 2:00 p.m.		Poster Session II

**Track IV (Health)**

- Ronda Christman, Farron Kilburn, Michelle Youngblood, and Cynthia Gettys. *Collaborations to Serve the Health-challenged in our Community.*
- Padma Tadi Uppala, Sherri Isaak, and Michael Uppala. *Systematic review of evidence-based natural therapies for the prevention and treatment of COVID-19.*
- Cesiah Yareth Pimentel Meléndez and Duane Covrig. *19th Century Adventist Healthcare Principles in 21st century Adventist Hospital: Preparing People be Whole Before God.*

**Track V (Culture, & Marriage)**

- Ranjith Gladstone. *Career Researchers of the Alumnus of an International Higher Education Institution in the Philippines from 2016-2020: A Case Study.*
- Dixon Anjejo, Jean Cadet, Sammy Ngetich, and Stephen Maitanmi. *Factors Associated with the High Rates of Divorce among Sub-Saharan African Immigrants Living in the United States.*
- Carole Woolford-Hunt, Rachelle Pichot, Myshira Oliver, and Ivah Lang. *Cultural Narrative Archive: Recording and Sharing Meaningful Life Narratives Through the Culture, Psychology and Resilience (CPR) Research Lab in the Department of Graduate Psychology and Counseling.*

**Track VI (Sociology)**

- Abilio Henrique Berticelli de Freitas. *Urban or Rural: Where are people happier and why?*
- Jerry Chase. *Leveraging Geodemographic Data for Human-Subject Research: A Missiological Application.*
- Santosh Kumar. *Caste or Christ?: Empirical research on the existence of Casteism in the Southern Asia Division of SDA.*

8:00 a.m. – 8:30 a.m.	Global Church Survey Team Meeting	
8:30 a.m. – 9:00 a.m.		Social Time
9:00 a.m. – 9:30 a.m.	David Trim, Director of Archives, Statistics, and Research, General Conference of Seventh-day Adventists	Devotional Message
9:30 a.m. – 10:15 a.m.	Thadeu Silva, Director of Archives, Statistics, and Research, South American Division of Seventh-day Adventist	Plenary Presentation
	<i>A sociologist in the administration</i>	
10:15 a.m. – 10:30 a.m.		Break
10:30 a.m. – 11:30 p.m.	<p><b>AHSRA Session IV: Seventh-day Adventist Health/ Adventist Church Systems</b></p> <ul style="list-style-type: none"> <li>• Karl Bailey and Duane McBride. <i>Dissimilarities in Adventist Church Member Belief and Behavior across the Globe</i></li> <li>• Robert McIver and Wendy Jackson. <i>Differences in Practices of Personal Spirituality and Beliefs Concerning Salvation between Adventist Teachers in Australia and the Solomon Islands.</i></li> <li>• Raul Rodriguez. <i>Factorial model for the evaluation of the religious experiences and attitudes of the members of the Seventh-day Adventist Church of the Inter-American Division.</i></li> </ul>	
11:30 a.m. – 11:45 a.m.		Break
11:45 a.m. – 12:45 p.m.	<p><b>AHSRA Session V: Business and Organizations</b></p> <ul style="list-style-type: none"> <li>• Kimberly Pichot and Rachelle Pichot. <i>Cracking the Shell of the Vegan Egg Substitute Market</i></li> <li>• Duane Covrig, Mordekai Ongo, Cesiya Yareth, and Pimentel Meléndez, <i>Being Good has a Cost: Exploring the Sacrificial Ethos of Adventist Healthcare Ministry.</i></li> <li>• Jerry Chi and Grace Chi. <i>Impacts of Servant Leadership on Burnout Level of Nursing Staff: A Structural Equation Model.</i></li> </ul>	
12:45 p.m. – 1:00 p.m.	Duane McBride	Closing Remarks

Host: Elizabeth Role



# ARC PLENARY SPEAKERS



**Cooper Hodges, PhD.**  
Postdoctoral Fellow  
Virginia Commonwealth University School of Medicine

*Traumatic Brain Injury: How Interdisciplinary Research Has Furthered Our Understanding of Head Injury.*

**Bio-sketch**

Cooper Hodges, PhD earned a Bachelor of Science in psychology from Andrews University in 2016 and a doctorate in experimental psychology with emphasis in cognitive and behavioral neuroscience from Brigham Young University in 2020. He is currently a Postdoctoral Fellow at Virginia Commonwealth University in the Department of Physical Medicine and Rehabilitation.

Cooper's research interests primarily involve the use of emerging neuroimaging techniques in investigating traumatic brain injury in various patient populations and the downstream effects of injury on neural function and structure. Cooper's interests extend into statistical and experimental methods, where he is interested in furthering recommendations for best practices in methodology and statistics in psychological science, and supporting ongoing efforts promoting replicability and transparency in scientific literature.

**Abstract**

Traumatic Brain Injury (TBI) is a relatively common medical condition that results from trauma to the head and neck. TBI occurs frequently in the general public: the CDC reported that in 2014, there were 2.87 million TBI-related emergency department visits, with the vast majority of these events having occurred in children. Recent work, however, has highlighted that high-frequency TBI occurs in other populations, including military and sports populations, as well as in people experiencing intimate-partner violence. TBI research has made considerable advances in recent decades and has furthered our scientific understanding of head injury. An important feature of these advancements has been the utilization of interdisciplinary techniques to investigate not only the physiological effects of TBI, but also its social and psychological sequelae. In this plenary session, I will review how our scientific understanding of TBI has evolved in recent years through emerging routes of scientific investigation, interdisciplinary research, and the application of novel treatment techniques. I will also cover recent scientific investigations into TBI, special considerations that should be made when studying certain groups, and where future research may take the field.



**Jean-Luc Murk, MD, PhD**  
Clinical Microbiologist and Virologist

*Measuring the reliability of molecular tests to diagnose SARS-CoV-2 infection.*

**Bio-sketch**

Dr. Jean-Luc Murk is a clinical microbiologist and virologist (MD) in a large teaching hospital in the Netherlands. He is frequent guest in talk shows on Dutch television to explain COVID-19 related issues to the general public. He earned his PhD in Cell biology and used the Electron Microscope to study cell organelles in 3D. His areas of expertise are viral infections of the central nervous system and classical and novel diagnostic techniques to detect viruses. He has published more than 50 scientific papers, some

of which appeared in PNAS and the New England Journal of Medicine. Jean-Luc is a board member of the Dutch Society of Clinical Microbiology (NVMM) and Dutch Working group of Clinical Virology (NWKV). He is married and has three children.

**Abstract**

SARS-CoV-2 infections are primarily diagnosed by real-time reverse transcription-polymerase chain reactions (RT-PCR) on upper respiratory tract (URT) samples, with a supportive role for antibody tests. However, the clinical sensitivity of RT-PCR remains uncertain. In the present study, Bayesian statistical modeling was used to retrospectively determine the sensitivity of RT-PCR using SARS-CoV-2 serology in 644 COVID-19-suspected patients with varying degrees of disease severity and duration. The sensitivity of RT-PCR ranged between 79-95%; while increasing with disease severity, it decreased rapidly over time in mild COVID-19 cases. Negative URT RT-PCR results should therefore be interpreted in the context of clinical characteristics, especially with regard to containment of viral transmission based on the test, trace and isolate principle.

# AHSRA PLENARY SPEAKERS



**Gary Fraser, MB ChB, PhD**  
**Distinguished Professor of Epidemiology**  
**Loma Linda University**

*Six decades of exciting discovery about "eating and health experience."*

## **Bio Sketch**

Gary Fraser was born in Christchurch, New Zealand (NZ). He received his medical degree from Otago University, Dunedin, NZ and a PhD in epidemiology and a postgraduate diploma in mathematical statistics from the University of Auckland, NZ. He has an FRACP (NZ medical specialist) qualification and American Boards in Cardiovascular Medicine. Professionally, he has received more than \$30M in research support

(mainly from NIH) and has, so far, 225 peer-reviewed publications and two books published by Oxford University Press. His professional research foci have been nutritional epidemiology, vegetarian nutrition, methods in nutritional epidemiology, life expectancy research, cancer and cardiovascular endpoints. For 33 years he has been the Director of Adventist health studies at Loma Linda. He mentored, and has contributed to, nearly all publications from Adventist Health Study-1 (AHS-1), then initiated and guided development of AHS-2. Research highlights have been findings about nut consumption and effects on health, the surprising extensions of life expectancy in Adventists, the surprisingly diverse effects of dairy consumption on risk of common cancers, methodological work on ameliorating the effects of dietary measurement errors (during and following a Senior NIH Research Fellowship taken at the University of Cambridge University, U.K.), and more recently getting acquainted and using the bio-informatics methods necessary for high dimensional "-omics" research. He has received the Distinguished Researcher Award from Loma Linda University. Over the years he has maintained a cardiology practice, now working about equally effort on AHS-2 and clinical cardiology. With his wife he spends 30-40% time in NZ (mainly working on AHS-2 while there), and is reactivating skills in piano performance (Associate degree Trinity College, London from long ago). Enjoys wilderness walking in both NZ and California, as well as visiting children and grandchildren scattered from Nashville, to Hawaii, to NZ.

## **Abstract**

Loma Linda epidemiologists have studied the health of Adventists for the last 60-70 years with now >300 scientific publications. As a foundation we find that there are many advantages to a plant-based diet, and also whatever the foods, to favor less processing. Evidence will be presented in support of these ideas comparing the health experiences of average Adventists to average non-Adventists, also looking within the Adventist group and comparing vegans, lacto-ovo-, pesco- vegetarians to non-vegetarians. The focus will be overweight, heart disease risk factors, risk of heart attack, cancer, life expectancy, and little about mental health."



**Daniel Ganu**  
**Professor of Public Health**  
**Adventist University of African**

*African Seventh-day Adventist Health Studies: Phase One.*

## **Bio Sketch:**

Daniel Ganu is a Professor of Public Health at the School of Postgraduate studies, Adventist University of Africa, Kenya. He earned his undergraduate degree in Theology and Health Science from the Andrews University in Berrien Springs, Michigan, USA. He proceeded to the Philippines where he earned his Masters and Doctor of Public Health degrees from the Adventist University of the Philippines. He has served as a

senior lecturer and the Dean of Academic Administration at the Valley View University in Ghana.

## **Abstract:**

The Seventh-day Adventist Church has conducted several health research studies showing the impact and evidence-based outcomes of the Church's health principles. However, these studies have been undertaken primarily in North America and Europe. The Church in Africa lacks similar epidemiological data to guide strategies for health education and promotion. Therefore, the African Seventh-day Adventist Health Study (ASDAHS), a longitudinal research was launched by the Adventist University of Africa to explore the general health status of the church members in Africa. The current study used cross-sectional design and quantitative data collection method. The study employed Knowledge, Attitude, and Practice (KAP) survey protocol to examine the church members' level of knowledge, attitudes, and practices toward the health education model labeled CELEBRATIONS. Key findings of the research showed that church members have high knowledge of the health message (mean score of 3.94 on the 5-point Likert Scale). Equally, church members showed positive attitude to the health message (mean score of 3.99 on a 5-point Likert scale). However, their level of knowledge and attitude do not fully correspond to their practice of the whole health message (mean score of 3.61 on a 5-point Likert Scale). The results have important implications in promoting health education in the church in Africa.



**Thadeu J. Silva Filho, Ph.D., DMA**  
**Director of Archives, Statistics, and Research**  
**South American Division of Seventh-day Adventist**

*A Sociologist in the Administration*

**Bio sketch**

Director of Archives, Statistics, and Research of the South American Division of the Seventh-day Adventist Church, Thadeu J. Silva holds the degrees of Bachelor, Master, and Ph.D. in Sociology. Has been Visiting Scholar at Brown University (Providence, RI - USA), Associate Professor at the Department of Sociology of the University of Brasilia (Brazil), consultant at the Brazil National School of

Public Administration (Brazil), and Federal Employee at the Department of Justice (Brazil). Accumulates experience in income, education, public safety, law, health, work, demography, and religion data. He also is DMA in Music (Trumpet Performance), having been president of the Brazilian Trumpet Association and a member of the Board of Directors of the International Trumpet Guild (ITG).

**Abstract**

Loma Linda epidemiologists have studied the health of Adventists for the last 60-70 years with now >300 scientific publications. As a foundation we find that there are many advantages to a plant-based diet, and also whatever the foods, to favor less processing. Evidence will be presented in support of these ideas comparing the health experiences of average Adventists to average non-Adventists, also looking within the Adventist group and comparing vegans, lacto-ovo-, pesco- vegetarians to non-vegetarians. The focus will be overweight, heart disease risk factors, risk of heart attack, cancer, life expectancy, and little about mental health.”

# ARC PRESENTATIONS

## ARC Session I: Education, Race, Justice, & Equity

- **Louis Peter. *Functional Educational System and Economic Growth: The Nigeria Perspective.***

### **Bio Sketch**

Dr. Louis Peter is a lecturer in department of education, in Babcock University, Ilisan -Remo Ogun State, Nigeria. His area of specialization is Economics Education, with a year research experience. He has over twenty articles of both local and international journals. Dr. Louis Peter is a Seventh-Day Adventist of good standing.

### **Abstract**

Education is a catalyst for economic growth of any nation, it determines the capacity of any nation to combat poverty, unemployment, out-of school, and inequality. It is glaring that there are frantic efforts by the government and stakeholders to reduce poverty and unemployment, but poverty and unemployment ratio continue to increase in Nigeria. The study adopted descriptive survey design with two research questions raised and one hypotheses formulated. The population of the study comprise 8452 lecturers in 5 federal and 11 state polytechnics in south-south region of Nigeria. A sample of 1,739 respondents were drawn using the stratified random sampling technique which represent 20% of the population. A self-developed questionnaire tagged 'Functional Education System and Economic Growth Questionnaire (FESEGQ)' an observation schedule was used to collect data from the respondents. The instruments were duly validated and reliability of the questionnaire was tested using test re-test method, calculated with Pearson's Product Moment Correlation, which yielded an index of 0.77. Mean, standard deviation, rank order scores and percentage were used to answer the research questions, while z-test was used to test the hypothesis of no significance. The findings revealed that functional education enhances the rising of per capita income, improves the real standard of living, increases labor productivity, increases the Gross Domestic Product above population growth rate. Recommendations were also proffered.

- **Ranjith Gladstone. *Early Career Researchers of the Alumnus of an International Higher Education Institution in the Philippines from 2016-2020: A Case Study.***

### **Bio Sketch**

Ranjith Kingston Gladstone, an Indian PhD candidate at Adventist International Institute of Advanced Studies, Philippines will be defending this month in Curriculum & Instruction, and Instructional Technology. He has co-authored a book, authored chapters in two books, and still writing chapters in two other books. He has also published research in international peer-reviewed and presented papers in international and national conferences. His research interest is on research orientations and social problems.

### **Abstract**

Production of knowledge through research is a highlight of the academic performance of a student. Higher education institution has made it compulsory for such educational practices during their course work. However, there is no guarantee that the method continues to stay put with the students after graduation. The early career researchers are the ones who continue with their research after graduation with a different intention. This study is to uncover the purpose by understanding the detailed demographics, their perception, and meaning about the phenomenon of early research careers. This study has two phases: the detailed demographics with some open-ended questions, and the second will be follow-up descriptive questions. This study is qualitative in nature except for the accurate details of demographics. It is a descriptive and exploratory case study with unit analysis as a single embedded case study. A validated questionnaire is used for this study. The research setting is an international higher education institution in the Philippines. The population is all the graduands or alumni of this institution from 2016-2020. Upon clearance from the ethics review board, the collected data will paint a picture for us to know early career researchers' role in social science. The data is initially collected using google forms. The study results are significant as it recommends the research culture to be initiated and emphasized during the course of study with the right direction

- **Jochebed Ade-Oshifogun, Jimmy Kajai, Jean Cadet, Zora Williams, and Amarpreet Sudhaker. *Students' perception of the impact of Covid-19 pandemic on their educational environment at Andrews University.***

### **Abstract**

Due to the Covid-19 pandemic, Andrews University switched to a completely remote learning modality from the traditional face-to-face in-classroom instructions. This study was conducted to examine students' perceptions of the impact of the COVID-19 pandemic on their educational environment during the transition. We used a mixed-method design with an electronic survey and in-depth personal interviews. The survey was distributed through the office of the Provost and Instagram. The survey questionnaire was adapted from the Dundee Ready Education Environment Measure (DREEM), an instrument developed to measure the learning environment in medical and allied health institutions. With a subscale scale score of 27.8 (SD±6.98), about 70% of the students rated their perceived learning environment as 'a more positive perception' and 'highly thought of.' Social self-perception was rated as 'not too bad' and 'very good socially' by 40% of the students with subscale score of 13.5 (SD±4.7). Though we don't have a baseline for comparison, the results revealed educational areas needing improvement.

- **Raimond D. Luntungan, and Kepha O. Pondi.** *Transitioning to Online Teaching in an Academy During COVID-19 Pandemic: A Case Study.*

**Bio sketch**

Raimond D. Luntungan is from Indonesia. He is currently working as an assistant professor in Business and Education department at AIIAS and also the Program Director for AIIAS on Campus MBA Program. His areas of interests are in educational technology and management information systems.

Kepha O. Pondi is Assistant Professor in Business Department at AIIAS. He is also the Director of the Asian Pacific Research Center (APRC) and the Chair of Ethics Review Board (ERB). His research interest is in interdisciplinary research, social capital, and finance.

**Abstract**

Online teaching and learning have been a steady trend in distance education as an alternative to face-to-face teaching methods in the recent past. The worldwide pandemic outbreak of novel coronavirus has forced educational institutions to resort to online teaching and learning mode. Consequently, schools that had not implemented online teaching before, needed to rethink transitioning from face-to-face to online learning mode. A qualitative case study research design was used to explore and describe the transitioning experience from face-to-face to online teaching and learning during covid-19 Pandemic at an academy in the Philippines. Purposive sampling with maximum variation was used to select the participants for the study. There were eight participants that included school administrators, teachers, school children and their parents. Prior to data collection, the study sought for approval from Ethics Review Board, the school administration, and informed consent from the participants and the parents of the participating children. The data were collected through audio and video recorded interviews, observations, and document review. The data were transcribed and analyzed using HyperResearch software to obtain codes, categories and themes. The findings show the following themes: Leadership experiences, preparations needed, teacher experiences, online learning platforms utilized, and the challenges. The study has implications on adequate teacher preparation and training on online teaching, curriculum design and development, and classroom management that requires new paradigm. Further studies should focus on post pandemic teaching and learning implications.

- **Yanina C. Jimenez.** *Educational Neuroscience and Equity, Trauma & Online Learning University.*

**Bio sketch**

Yanina Jimenez is an Elementary School Teacher in Illinois and a PhD student of Curriculum and Instruction at Andrews University.

**Abstract**

This study aims to bridge neuroscience and classroom teachers by exploring the role of brain science, psychologists, classroom teachers in relevant issues in the field of education such as best instructional practices, trauma-informed practices, inequalities and online learning. The reviewed literature includes neuroscience studies in books and online articles. Neuroscientists need to communicate with classroom teachers and vice versa. The name of this 2-way bridge is called Educational Neuroscience. Educational neuroscience has answers on relevant issues such as inequalities in education, trauma-informed practices and online learning.

- **Santosh Kumar.** *Caste or Christ?: Empirical research on the existence of Castism in the Southern Asian Division of SDA.*

**Bio sketch**

Santosh Kumar serves as an assistant professor in the Division of Religious Studies and the Research Editor at the Office of Research and Innovation at Spicer Adventist University, India. His area of interest includes world religions, anthropology, contextualization, oral traditions, urban mission, church growth, and church planting. He has authored the book, *Salvation: In the light of the Cross and the Crescent*, released in 2019. He has also published articles in international journals and contributed articles in SDA Encyclopedia. Currently, he is a doctoral candidate pursuing his degree in Missiology at Andrews University, USA. He is married to Lalrinpuii Fanai and a father of four children.

**Abstract**

The caste system is deeply rooted in the socio-religious structure of the society in India (Mendelsohn and Vicziany 1998, 5-6). Casteism in India is associated primarily with Hinduism but not limited to it, but both Indian Muslims and Christians also have differences based on castes (Purthi 2004, 161). In India, society is shrieved by the caste system that has created a social division that has been a challenge to the social reformers in the past. The caste system creates a social deprivation that has its effect on the spirituality of the church. Humans are born with a desire to belong, and the church must fulfill this community's desire by making them feel belonged (Putman and Stetzer 2008, 71). Unfortunately, this social disease of castism has metastasized in the SDA church. This presentation offers empirical research utilizing qualitative methodology to identify the caste system's intensity within the church. The result of the qualitative findings is based on interviews of five participants aged between 18-36. The participants were from at least three language groups: Tamil, Telugu, and Malayalam, representing three different states in India, Tamil Nadu, Andhra Pradesh, and Kerala. All the participants volunteered to participate in the study. Two among five were face-to-face interviews, and the remaining three participants were interviewed online through the Zoom platform.



## ARC Session II: Sexuality, Family, & Mental Health

- **Stacie Hatfield.** *You're already Black...?: Intersections of Race and Gender for LGBTQ African American Children and Young Adults.*

### Bio Sketch

Stacie Hatfield is an assistant professor of anthropology in the School of Social and Behavioral Sciences at Andrews University. She is also a PhD Candidate in anthropology at the University of Kentucky. Her work examines intersections of race, gender and everyday activism in the United States.

### Abstract

Racial marginalizations experienced by African American children in the United States impact the lives of African American LGBTQ young people in particular ways. In my research among LGBTQ African Americans in Birmingham Alabama, I found that "gayness" is perceived as an additional and overwhelming obstacle to success for African American children already at risk, highly policed, educationally stereotyped, and publicly suspect. These findings are compelling in that they anthropologically connect feminist intersectionalities of race and gender with literatures of children and youth to better understand how LGBTQ identity compounds experiences of marginalization for African American children. This paper draws from sixteen months of ethnographic research including the coming out experiences of three African American LGBTQ individuals in Birmingham Alabama to examine how the hopes and aspirations of African American parents and the racial marginalizations experienced by African American communities shape the experiences of LGBTQ African American children and youth. The paper begins by ethnographically examining family and community support and expectations of African American children. It then situates these observations within anthropological and interdisciplinary literatures of African American childhoods. Finally, it examines three coming out stories to explore how racial marginalization is seen to be compounded by LGBTQ identity. Examining the meanings and politics of LGBTQ identity for African American parents and communities contributes significant anthropological insights into how intersections of race and gender impact experiences of childhood for African American LGBTQ children. It also offers valuable insights into how to better support African American LGBTQ children and their communities.

- **Maci Chen, Curtis VanderWaal, Alina Baltazar, and Duane McBride.** *Sexual Orientation, Substance Misuse, and Sexual Misconduct at a Conservative Christian University.*

### Bio Sketch

Maci Chen is currently a junior social work student at Andrews University, working on completing her BSW. She has been interested in working with kids, and has found ways to engage her interest in many settings- i.e. babysitting, being a nanny in France, and working at a daycare. She spends her free time playing basketball, supporting the social work club, working, and spending time with friends. Maci has had the opportunity to engage in an independent research project over this past 2020-21 school year. With the guidance and mentorship of her professor, Dr. VanderWaal, she has been introduced into the research world and is excited about what lies ahead.

### Abstract

Sexual minority college students show high rates of substance use and abuse (Hequembourg & Dearing, 2013; Kerr et al., 2015; Kerr et al., 2014; Wilsnack et al., 2008) as well as increased risk for becoming victims of sexual harassment and assault (Balsam et al., 2005; Coulter & Rankin, 2020; Eisenberg et al., 2017; Ford & Soto-Marquez, 2016; Johnson et al., 2016; Kammer-Kerwick et al., 2019; Krebs et al., 2016; Moschella et al., 2020). LGBTQ+ students at Christian universities may face heightened risks as well. In 2018, we conducted the Health Risk & Protective Factors Survey with a representative sample of students (N=650) at a small midwestern Christian university. Thirty-one students self-identified as LGBTQ+. Initial chi square analyses show that, compared to heterosexual students, LGBTQ+ students were more likely to have used alcohol, tobacco, and marijuana in the past year. They were also more likely to have been sexually harassed, been in a coercive relationship and had non-consensual sexual contact. Consistent with other literature, LGBTQ+ students at a Christian university had greater substance use, perhaps making them more vulnerable to high risk behaviors and sexual exploitation.

- **Melody Ezpeleta.** *The Importance of Assessing the Mental Health Needs in SDA Academies: An Invitation to Collaborate.*

### Bio Sketch

Melody Ezpeleta is a doctoral candidate earning a Doctor of Marital and Family Therapy (DMFT) degree at Loma Linda University through the Department of Counseling and Family Sciences. She completed a majority of her education within the Seventh-day Adventist school system, including her B.S. in Psychology from Walla Walla University, and an M.S. in Marital and Family Therapy at Loma Linda University. Melody's personal and professional experiences within various school systems instilled a passion to contribute to the field of marriage and family therapy and a desire to give back to the community through active collaboration with others. Melody has been a co-teacher and teaching assistant in masters and doctoral level courses at Loma Linda University, respectively. She is also a Registered Associate Marriage and Family Therapist in the state of California, whose focus is on working with children, adolescents, and their families.

### **Abstract**

The current literature introduces conceptualizations of the concerning mental health conditions among the youth population and reports on the effective strategies and interventions implemented in other school settings to address the mental health needs of students. Currently, there is limited literature about the mental health of students in Seventh-day Adventist academies so that movement towards continued discussion and action can take place. This presentation aims to bring awareness towards the importance of assessing for the mental health needs of high school students in Adventist academies. Furthermore, this presentation proposes several theoretical frameworks to guide the conceptualization of the mental health problems that may exist within Adventist academies and their surrounding communities. By utilizing structural functionalism and socioecological theory, we explore the social structure of the Adventist educational system to support key stakeholders in meeting the mental health needs of their students.

A needs assessment will be conducted by the presenter in the future as a stepping stone towards understanding the mental health needs present for high school students in Adventist academies based on the perspective of administrators, direct school personnel, support staff and alumni; thus, addressing the current literature gap. An invitation to collaborate during the needs assessment process will be provided for the purpose of taking the next steps to support high school students attending Adventist academies.

- **Olasimbo Meduoye. *Assessment of social media impact on Christian Lifestyle among the redeemed Christian Church of God Youths.***

### **Bio Sketch**

Lecturer, Redeemed Christian Bible College, an affiliate with University of Ibadan, Nigeria.

### **Abstract**

Social media is a means of interactions among people and it is being recognized for changing the way of life of youths. Various studies have been carried out on youth's usage of social media and its impact on their social lifestyle, academic performance, and development. While it has been established that social media proffer several benefits to the youth, there has been a marked change in the lifestyle of Christian youths. This research examines different types of social media in existence and its accessibility, the impact of social media on moral and academic achievement of Redeemed Christian Church of God (RCCG) youths; various prospects and risk the RCCG youth stand to face by their involvement in the use of social media. This study adopted the survey research design as the most appropriate method to gather data for the study. The study population consisted of youths from RCCG youth parishes namely: Rhema Chapel, Amazing grace Parish, Chapel of Praise and Messiah Praise Sanctuary Youth Parish. The respondents were selected through simple random technique and a sample size of 80 respondents. The findings showed that 63.3% of the respondents use social media daily, 16.7% of the respondents visit per hour, 2.3% of the respondents visit weekly and 16.7% of the respondents visit once in a while. 56.7% of the respondents agreed that social media enables youth to communicate with other faith. 33.3% agreed and 3.3%strongly disagreed. Consequently, more than half of the respondents are addicted to social media; there is no visible effect on church attendance numerically. Finally, 26.7% of the respondents strongly agreed that Christian youth's involvement in social media makes them passive Christians. In conclusion, the usage of social media has both positive and negative effects on Christian youth participation in spiritual activities. It is hereby recommended that youth parishes should sensitize the youths on negative and positive usage of social media. Also, Christian based social networking sites should be promoted. Finally, Christian youth leaders should emphasize the dangers of social media poses to their Christian lifestyle

- **Ifeoma Helen Ayenia and Isaiah Ola Abolarin. *Balanced media reporting and the African Image.***

### **Bio Sketch**

Ifeoma Helen Ayeni is the Faculty officer for Benjamin S. Carson (SNR) College of Health and Medical Sciences Babcock University. She holds a Masters degree in Mass Communication from Babcock University. Her Research interest is on Investigative Journalism. Isaiah Ola Abolarin is an Experienced Methodologist with a demonstrated history of working in the higher education industry. Skilled in Statistics, Research, Microsoft Excel, Microsoft Word, and Teaching. Strong research professional with a Doctor of Philosophy (Ph.D.) focused in Religious Education from Andrews University.

### **Abstract**

Media is a tool or channel through which communication is widely disseminated. It could be through Television, Radio, Newspapers, Magazines and the internet. Media sets agenda for the public. Balanced media coverage involves conducting deep investigative reporting and timely delivery of accurate information. Balanced media reportage looks at a story objectively and does not take sides. It reinstates dignity and equality and allows the audience make their own interpretation. Balanced media covers and reports, the two sides of a story. However, the African image in the Western media is mainly abject poverty, famine, war, corruption, insecurity, disease and flies crawling on the food and on the mouth of a child. The question could be, is that all there is about Africa? This study will try to bridge the gap between actual facts and the reports portrayed in the Western media organizations on Africa. Findings from extensive literature search depicts that the credibility of media coverage and reporting can be upheld when the reports are consistent with reality.

It was also observed from literature that fairness, objectivity, honesty, courage, responsible journalism will enhance balanced Media coverage and reporting. This paper is anchored on Social Responsibility Theory, which is a two way communication theory, which allows free press and also expects the press take due responsibility. Social responsibility theory promotes high level of professionalism in media, by setting up high level of accuracy, truth and information. Social responsibility theory aligns with balanced media coverage and reporting with emphasis on fairness, and responsibility.

- **Abimbola Oyindanola Fagbe, *Bibliotherapy as an alternative intervention for Psychosocial Disorder among adolescents in a selected university in Ogun state, Nigeria.***

### **Bio Sketch**

Fagbe, Abimbola Oyindamola is a Professional Librarian, and a Lecturer in the Department of Information Resources Management, Babcock University, Ilisan-Remo, Ogun State, Nigeria. She has PhD in Information Resources Management (Library and Information Sciences), Babcock University, Ilisan-Remo, Ogun State, Nigeria. She has several research publications in National and International Journals. Her research interest include: Bibliotherapy, psychosocial disorders, information behavior, gender issues, ICT, knowledge management, indigenous information, social media, collection development, continuous professional development, reading and studying culture, adolescents and juvenile delinquent issues, LIS education, SDGs, Health and Safety Environment, Risk Management Education, Quality Service Delivery and so on.

### **Abstract**

Psychosocial and health related issues have become a major concern among undergraduates. Efforts have been made to alleviate mental health related issues with the use of medical interventions which sometimes resulted in over-reliance and addiction on the long-run. In order to address this trend, alternative methods of therapy such as bibliotherapy have been developed. Empirical evidence exists on the efficacy of bibliotherapy on various psychosocial disorders in developed countries. However, most studies from Nigeria have adopted the survey rather than the experimental approach. This study investigated the effect of bibliotherapy on psychosocial disorder among undergraduates in Babcock University, Ilisan-Remo, Ogun State, Nigeria. Experimental research design of 2x2x3 pre-test-post-test factorial design was employed.

The population for the study consisted of 250 undergraduates. Purposive sampling technique was used to select 50 participants, who were randomly divided into the control and experimental groups. Two structured and validated questionnaires were administered for data collection. Data collected through the pre-test and post-test were analyzed using ANOVA at 0.05 level of significance. Findings revealed no significant difference in the level of psychosocial disorder of the participants in control and experimental groups before the bibliotherapy was administered ( $F(1, 48) = .017$ ;  $\eta^2 = .000$   $p = .898$ ). The post bibliotherapy intervention showed a significance of the treatment on the psychosocial disorders of participants ( $F(1, 47) = 33.294$ ; Adj.  $\eta^2 = .415$ ,  $p = .000$ ). The study concluded that bibliotherapy was effective for treating psychosocial disorders among undergraduates. The study recommended that parents and school administrators should encourage students to read motivational books that can address their psychosocial issues. Counselors and psychologists should adopt bibliotherapy in addition to other therapies.

## ARC Session III: Industry & Resource Management

- **Abilio Henrique Berticelli de Freitas. *Urban or Rural: Where are people happier and why?***

### Bio Sketch

Master student in Economics and Public Management at the University of Montpellier (France).

### Abstract

Using data from a worldwide sample, we investigate how happy people look like and if these “happiness characteristics” are more present in big urban towns or in small rural villages. We found evidence that (i) people seem to be slightly happier in rural settlements, (ii) happier people have some particular characteristics (e.g., higher levels of trust in others and being more interested in politics) and (iii) these positive attitudes are slightly more present in rural contexts. Then, we discuss some conceivable explanations to what we have seen.

- **Lily D. Burke. *Emergence of Entrepreneurship in Transjordan during the Late Ottoman period.***

### Bio Sketch

Lily Burke is a Behavioral Sciences: Anthropology and English literature major at Andrews University. Previously, she researched Seventh-day Adventist college Instagram meme pages. Her research credits include two presentations at Michigan Academy of Science, Arts, and Letters. (MASAL). Her future plans include researching generational language and culture differences.

### Abstract

How did Ottoman policies influence emergence of entrepreneurship among elites in Transjordan from 1850-1914? During the late Ottoman period in Transjordan there was an economic transition from subsistence farming to the development of privately-owned, large-scale, for-profit farms. The current study hypothesized Ottoman government policy -prioritizing cash crop farming over subsistence farming and nomadic living - created conditions that allowed elites in Jordan to develop entrepreneurship. To measure my dependent variable, entrepreneurship, I adapted Rostow's Stages of Economic Development. To track my independent variable, Ottoman influence, I created a scale. From thematic analysis of selected case studies, my hypothesis was supported and expanded upon

- **Aliyu Rufai and Teniola Abosede. *Covid-19 and Economic Growth in Developing Countries of Africa.***

### Bio Sketch

Aliyu Akorede Rufai, is a PhD (Economics) candidate at Babcock University, Nigeria. He obtained his Bachelor and Masters of Science degrees from Babcock University and University of Lagos respectively. He has garnered six years industrial experience in administrative position with almost three years academic experience. His area of specialization is international economics and econometrics aspect of Economics.

Teniola Abosede Adesanya is a Senior lecturer at the department of Banking of Finance, the Polytechnics, Ibadan. She is currently undergoing her PhD (Economics) at Babcock University. She has more than ten years academic experience.

### Abstract

The challenges posed by the pandemic since its discovery in Wuhan, China, almost 18 months ago, has dwindled the world's economic performance through the decrease in population of the labour force, the expertise elders, reduction in economic output as a majority of companies could not operate during the worldwide economic lockdown that paralyzed social, religious and economic life of all habitants of the world due to fear of contracting this deadly disease. As a result of these problems, this study will investigate and also establish how the outbreak of COVID-19 has affected the economic output of developing countries with a significant focus on rising economies representing the major regions in Africa. The countries are Nigeria, South Africa, Kenya and Egypt. The research will be conducted using an ex-poste research design built on the endogenous classicalist growth theory since all-economy went into autarchy during the worldwide lockdown, while growth was internally driven. Furthermore, an appropriate methodology will be employed to give an econometric inference on how the covid-19 pandemic impacted growth. The variable to be considered will be unlimited to the unemployment rate, inflation rate, GDP, and covid 19 mortality rate, after which necessary policy recommendation and contributions would be offered to adjust the economy back to equilibrium.

- **Godfrey Musara.** *A nexus of strategic leadership and sustainable competitive strategies: Case small holder famers intellectual property rights uptake in Zimbabwe.*

### **Bio Sketch**

Godfrey Musara is a leadership student at Adventist University of Africa.

### **Abstract**

Strategic leadership is perceived to be one of the driving forces of the organizations that are navigate turbulent times such as covid era. These organizations are seen to be able to innovate quickly and come up new strategies that pushes the organization to survive competition and even create blue ocean strategies. On the other hand, Intellectual property rights (IPR) plays an important role in providing an enabling environment for inventions, knowledge management and innovations. Among business players, small holder farmers are often let out in various initiatives and opportunities for growth. Intellectual capital rights in the area of agriculture seem to have received divergent opinions from scholars.

It is important to observe that literature generally acknowledges that IPR positively support innovations and positively impacting the economies and technological advancement. It is the purpose of this paper to assess the level of understanding of IPR among leadership and their small holder farmers engagement strategy who seem to be on the increase due to various challenges such the increased demand for food security and unemployment in Zimbabwe. Like any other industry, farming has been facing challenges such as global warming resulting in climate change which seem to demand for farmers to innovate. Without an appreciation of IPR, farmers may face some challenges of sustainable competitive advantage on the global market. This study seeks to find out how leadership has influenced intellectual property rights knowledge among small holder farmers in order to create and preserve value

- **Challis Pulotu, Patrick Pikacha, and Eric Katovai.** *Traditional Ecological Knowledge, beliefs, and practices associated with the Raggiana Bird-of-Paradise (Paradisaea raggiana) in Koiari, Central Province, Papua New Guinea.*

### **Bio Sketch**

Mr. Challis Pulotu is an early-career Environmental Scientist. He is a graduand from Pacific Adventist University (PAU) in Environmental Science and currently works as a Graduate Teaching Assistant in the School of Science and Technology at PAU doing a Master of Philosophy. His current research covers themes on conservation biology, the bird-of-paradise, biodiversity, religion and traditional ecological knowledge. He is passionate about encouraging other young scientists in the Pacific.

Dr. Patrick Pikacha is an experienced Environmental Scientist with a demonstrated history of working in the research industry. Skilled in Environmental Awareness, Natural Resource Management, Marine Biology, Science, and Sustainable Development. Strong research professional with a Doctor of Philosophy focused in Ecology and Evolutionary Biology from The University of Queensland, Australia.

Dr. Eric Katovai currently works in the School of Agriculture, Geography, Environment, Oceans, and Natural Sciences, at the University of the South Pacific in Fiji. He is an Environmental Biologist with specialty in the area of ecosystem functioning, plant ecology, and conservation and restoration. His current research engagements cover themes on Biodiversity, Climate change, Community and Restoration Ecology, and Land use changes and landscape management in Tropical forests in Southeast Asia and Oceania. His research interest spans from examining biodiversity, vegetation dynamics and ecosystem functioning in human-altered landscapes to land-use management and restoration of highly degraded forests in Oceania.

### **Abstract**

For many islands in the South Pacific Traditional Ecological Knowledge (TEK) is rarely taught and sought by locals and is lost due to the increase of urbanization and no transmission of such knowledge to younger generations. The Birds of Paradise (BOP) are one example of their TEK, beliefs, and practices being lost as the flagship of Papua New Guinea (PNG). The aim of this study was to examine the species richness and conservation status of the Raggiana Bird-of-Paradise (Paradisaea raggiana) (RBOP), and TEK among the indigenous Koiari people along the Kokoda Track in Central Province, PNG. A pretested questionnaire survey was used to collect information about local TEK, beliefs, and practices regarding the RBOP including its forest habitats. Indigenous Koiari people (17 to 83 years) were from four villages (Ioribaiwa, Agulogo, Manari, and Efogi). A total of 9 different species of BOPs were recorded as known by respondents, with 20 (36.4%) respondents distinctively using the RBOP for cultural or traditional uses. Respondents aged 31-40 years exhibited greater BOP and traditional knowledge, as measured by number of BOP species identified and traditional importance of RBOP. Male participants demonstrated better BOP species identification and TEK. Our results show that action is needed to document and present community TEK in Koiari, Central province, including PNG to preserve biodiversity and support cultural conservation.



- **Lillian Pazvakawambwa. *Water Consumption patterns and determinants among Adventist women in Namibia: A health perspective.***

#### **Bio Sketch**

Lillian Pazvakawambwa is an Associate Professor in the Department of Statistics and Population Studies at the University of Namibia with interest in public health research, socio-economic and Biostatistics.

#### **Abstract**

The objectives of the study were to establish drinking water consumption levels, patterns and socio-demographic determinants of water intake among Adventist women in Namibia. Records of 564 Adventist women aged 15-49 from the Namibia Demographic and Health Survey were examined to investigate their water consumption habits reported over 24 hours. Water consumption and associations with socio-demographic variables were established using Chi-Square tests. A binomial logistic regression model was fitted to establish determinants of water drinking habits among the women at 5% level of significance. Results indicated that water consumption among women was influenced by age-group, region and main language spoken at home. The educational level of the woman did not influence water consumption. There is need to further improve quick access to drinking water sources in Namibia. Effort to increase awareness of the health benefits of water among younger women and different cultural groups need to be stepped up in Namibia.

## ARC Session IV: Media & Communications

- **Johnson Babafemi Akintayo and Oluwafemi Temitayo Olomjobi. *Sublimating the Entertainment Expectations of Television Viewers with Educational Programming: Towards Sustainable Development in Africa.***

### Bio Sketch

Johnson Babafemi Akintayo is a lecturer in the department of Mass Communication, Babcock University. He has been teaching in the department since year 2000. Akintayo has his area of specialization in broadcasting and has continued to teach in this area till date. He has also taught courses in advertising and public relations, speech writing and presentation. Presently he has added a new angle to his interest and is currently taking courses in media law and ethics, and development communication. Akintayo first ventured into broadcasting in 1991 as an intern at the Federal Radio Corporation of Nigeria (FRCN) Ibadan and has remained a broadcast practitioner till date. Currently he doubles as the Director of Adventist World Radio (AWR) Production Studio Nigeria, the Campus FM station – Hope 89.1 FM and the Hope Channel Production Studio Nigeria, all domiciled on Babcock University campus Nigeria. He enjoys travelling, meeting and sharing with people, motivating and encouraging young minds to think critically and look beyond the surface on issues that face them in life.

Oluwafemi Temitayo Olomjobi is a researcher and lecturer in the Department of Mass Communication, Babcock University, Nigeria. He is presently completing his doctorate in Mass Communication in Babcock University. His research interests encompass the specialized areas of journalism, publishing, political communication, sport communication, and Christian faith communication.

### Abstract

Television, no doubt, has the capacity to inform, educate, and entertain. However, the medium is usually considered more for its entertainment value without equal attention to its didactic strength. Many viewers have come to expect that television should do nothing else but entertain them. While entertainment is an acknowledged cardinal function of television, this paper sought to draw attention to its fast declining utilisation for education. In a world now impelled by the targets of the Sustainable Development Goals (SDGs), television educational programming can serve as a major driver towards the attainment of the SDGs. This paper contextualised the quality education that Africa needs and examined its potentialities in shaping the knowledge, values, attitudes and behaviours of its recipients. It was argued that African television stations can drive sustainable development in the continent by resetting the agenda for what the African public would deem paramount to watch, moving from a prevalently entertainment-centric programming template to an educational one. This paper concluded that television can be strategically used to provide inclusive and equitable quality education and life-long learning opportunities that would elicit positive attitudinal and behavioural adoptions toward sustainable development among the African populace. It was then recommended that television stations across Africa should focus more on educational programming, albeit making their contents entertainingly educative as well as educationally entertaining.

- **Oluwaseyi Adewunmi Sodeinde. *Effect of Media Intervention on Knowledge, Attitude and Practice-Intention of Hypertension Prevention among the Working-Class in Ogun State, Nigeria.***

### Bio Sketch

Oluwaseyi Adewunmi Sodeinde is a lecturer in the Department of Mass Communication, Babcock University, Ilishan-Remo, Ogun State, Nigeria. She obtained a PhD in Mass Communication from Babcock University and a Master of Arts in Media Practice for Development and Social Change from University of Sussex, United Kingdom. Her research interests include Health Communication, Development Communication, New Media, Media Consumption and Broadcasting.

### Abstract

Individuals' level of knowledge, attitude and practice of healthy lifestyles are crucial to the prevention of Non-Communicable Diseases like hypertension. In Nigeria, studies have established the high prevalence of hypertension and the lack of adequate knowledge, right attitude and practice of healthy lifestyles needed to prevent the risk of developing this symptomless disease. While the use of the media as a source of health information among Nigerians has been established, its use as interventions for hypertension prevention is arguably low. Therefore, the study examined the effect of media intervention delivered through a radio drama and print materials on knowledge, attitude and practice-intention of hypertension prevention among the working-class in Ogun State, Nigeria. The study adopted a four-arm quasi-experiment among 160 employees of the Ogun State Local Government Service. This yielded one control and three experimental groups with 40 participants each. Participants in the experimental groups were exposed to radio drama, print materials and a combination of radio drama and print materials respectively for six weeks. The hypotheses of the study were subjected to the Paired samples T-test. The study found that there were significant differences ( $p < 0.05$ ) in the knowledge, attitude and practice-intention of hypertension prevention among the participants across all the groups that received the media intervention. It was concluded that the media intervention materials were effective in delivering hypertension prevention messages and increasing the audience's knowledge, attitude and practice-intention. The study, therefore, recommended the development and implementation of more media interventions for hypertension prevention among the working-class in Nigeria.

- **Isabelle Dias. *Parental Stress and Feelings of Support by Speech-Language Pathologist of Children Receiving Speech and Language Services: A Correlational Study During COVID-19, School of Communication Sciences and Disorders.***

#### **Bio Sketch**

Isabella Dias is studying speech-language pathology and will be starting graduate school at Andrews University in August, 2021.

#### **Abstract**

Due to COVID-19 parents have been thrown into the role of teacher, tutor, and playmate along with their role as a parent. 2020-2021 has been a period in which parents have a higher desire to receive help, but there is less help being given by social service providers. This study seeks to investigate the stress levels of parents with children who have been diagnosed with a communication disorder and if these parents feel supported by their child(ren)'s speech-language pathologist during COVID-19. This will be determined using a simple survey containing 54 questions on stress and support, 18 of which are from the Parental Stress Scale. The purpose of this study is for speech-language pathologists to better understand parental needs and continue to devise plans to better assist parents during these difficult times.

- **Enrique Quezada, Marques Zarate, and Angel Armenta. *Se Habla Español: Spanish-language Appeals and Candidate Evaluations in the United States.***

#### **Bio Sketch**

Enrique Quezada is a PhD student in the Department of Political Science at Rice University and a graduate fellow for the Center for the United States and Mexico at the Baker Institute for Public Policy. His research interests lie in the area of American politics, with a focus on Latino representation and the intersection of religion and politics.

#### **Abstract**

Many political candidates have exhibited their ability to speak Spanish in efforts to increase support among Hispanic voters. We argue that candidates, both Anglo and Hispanic, can use Spanish to signal closeness to Hispanics, attempting to bridge a gap (in the case of Anglo candidates) or doubling down on their shared identities (in the case of Hispanic candidates). Further, we posit that the effectiveness of these language appeals is conditional on fluency. To test this, we run an experiment where participants listen to an audio clip of a hypothetical candidate's stump speech. We vary the race/ethnicity of the candidate (Anglo or Hispanic) and the language of the speech (English, poor Spanish, and fluent Spanish). We find that Hispanic support for both the Anglo and Hispanic candidates is higher in the fluent Spanish condition compared with the English-only condition. Relative to the English condition, poor Spanish does not increase support for the Anglo candidate but it decreases support for the Hispanic candidate. Since candidates must worry about alienating non-Hispanic voters, we run the same experiment with Anglo respondents. Similar to Hispanics, Anglo respondents also exhibited higher levels of support for a Spanish-speaking candidate. Our results suggest that candidates can effectively appeal to the Hispanic electorate through Spanish-language appeals.

- **Johnson Akintayo and Onychi Nonso Chukwujekwu. *Knowledge, Attitude, and Practice of the Change Begins with Me Media Campaign Messages by Youths in Lagos and Ogun States, Nigeria.***

#### **Bio Sketch**

Johnson Babafemi Akintayo is a lecturer in the department of Mass Communication, Babcock University. He has been teaching in the department since year 2000. Akintayo has his area of specialization in broadcasting and has continued to teach in this area till date. He has also taught courses in advertising and public relations, speech writing and presentation. Presently he has added a new angle to his interest and is currently taking courses in media law and ethics, and development communication. Akintayo first ventured into broadcasting in 1991 as an intern at the Federal Radio Corporation of Nigeria (FRCN) Ibadan and has remained a broadcast practitioner till date. Currently he doubles as the Director of Adventist World Radio (AWR) Production Studio Nigeria, the Campus FM station – Hope 89.1 FM and Hope Channel Production Studio Nigeria all domiciled on Babcock University campus Nigeria. He enjoys travelling, meeting and sharing with people, motivating and encouraging young minds to think critically and look beyond the surface on issues that face them in life.

Chukwujekwu, Onyechi Nonso is a Graduate student of Mass Communication at Babcock University.

#### **Abstract**

Following the 2015 presidential elections in Nigeria, came the need to rid the country of nonchalance, greed, corruption and indiscipline. This led to the emergence of the Change Begins with Me media campaign. This study examined the knowledge, attitude and practice of the Change Begins with Me media campaign messages by youths in Lagos and Ogun states, Nigeria. The study adopted triangulation design (mixed method) with a study population of 19,206 National Youth Service Corps (NYSC) members serving in the selected states. Sample size of 432 corps members were randomly selected according to their local government areas in both states. Findings revealed that NYSC members completely agreed that they were knowledgeable of the Change Begins with Me media campaign messages ( $\bar{x} = 4.53$ ). Corps members' knowledge of the messages of this campaign had a significant influence on their attitude towards the campaign messages ( $F(5, 426) = 49.271, p < 0.05$ ). Also, the significant influence the messages of this campaign had on youths' attitude brought about a positive influence on their practice of the campaign messages ( $F(5, 426) = 21.117, p < 0.05$ ). The study concluded that social media was an effective communication channel through which youths are constantly interacted and this helped in increasing their knowledge of the Change Begins with Me media campaign messages. It was recommended that the initiators of this media campaign should set up accounts on a variety of social media platforms (Facebook, Instagram, YouTube) to serve as feedback mechanism which can help encourage and sustain the change initiative in Nigeria.

# AHSRA PRESENTATION ABSTRACTS

## AHSRA Session I: Public Health

- **Sabina Jeruto Bett, Dixon Anjejo, Jochebed Ade-Oshifogun, Eric Rutto.** *Effectiveness of educational intervention on diabetic knowledge, self-efficacy and HbA1c levels on Kenyan adults with T2DM.*

### Abstract

Type II diabetes mellitus is increasingly causing death in Kenya. This project aimed at providing structured diabetes education intervention to increase diabetes knowledge, self-efficacy, and reduce HbA1c levels for patients in Kenya. 143 participants were recruited in a controlled non randomized experimental design. The intervention was effective by significantly reducing HbA1c and increasing self-efficacy.

- **Jochebed Ade-Oshifogun and Abosede Obikunle.** *Barriers to Breast Cancer Prevention and Screening among African American Women: A Qualitative Study.*

### Abstract

Breast cancer ranks among the leading causes of mortality among women in the USA. The screening rate among African Women (AAW) is low. This study investigated the perceived barriers to breast cancer screening among AAW using semi-structured interviews. The barriers included knowledge deficit, fear of mammograms, and breast cancer diagnosis.

- **Stacie Hatfield.** *Care, Community, and HIV Prevention among LGBTQ African Americans in Birmingham, Alabama.*

### Abstract

Health and community are entangled in locally specific ways and shaped by diverse identities and positionalities. Drawing from qualitative research conducted from 2015-2019 including sixteen months of ethnographic fieldwork, his paper examines community and health through the experiences of LGBTQ African Americans in Birmingham, Alabama to reimagine notions of care.

## AHSRA Session II: Seventh-day Adventist Health

- **Petr Cincala and René Drumm.** *Pastor Health Study.*

### Abstract

This presentation provides results from a focus group study of pastors in North America. The data come from five focus groups with pastors about their stress reduction strategies and the barriers they encountered as they worked to reduce and cope with stressors. We conclude with intervention suggestions based on these findings.

- **Edward K. Limo, Elizabeth M. Role, and Jackie K. Obey.** *Correlates of health choices in view of emerging lifestyle diseases among SDA church members in Eldoret West, Kenya.*

### Abstract

The study determined the relationship between SDA church members' health choices and their demographics, attitudes towards the Adventist health message, cultural beliefs on health, and knowledge of lifestyle diseases. Attitudes towards the Adventist health message, educational level, and monthly income emerged to have a significant relationship with health choices.

- **Alina Baltazar and Duane McBride.** *The Role that Parenting Style Plays in Adventist College Student Alcohol and Marijuana Use.*

### Abstract

This research analyzed a survey distributed on an Adventist college campus that measured student alcohol and marijuana use in the last year and the role of parenting style. The results indicated authoritarian parental control of media usage and choice of friends during adolescence was related to higher rates of alcohol and marijuana use.

### AHSRA Session III: Seventh-day Adventist Families

- **Wendy Jackson.** *A Comparison of the Perceptions of the Mission of the Seventh-day Adventist Church Teachers in Adventist Schools in North America, Australia, and the Solomon Islands.*

#### Abstract

This presentation reports the responses of teachers from the North American Division, Australia and the Solomon Islands to questions which explore their understanding of the mission of the Seventh-day Adventist Church. Their responses show some interesting variations in emphasis and highlight areas for further education.

- **René Drumm, David Sedlacek, Shannon Trecartin, and Curtis VanderWaal.** *“Every family has occasional difficulties”: The Stability of Family Dynamics Post Coming Out,* Andrews University.

#### Abstracts

This presentation highlights findings from a study of SDA parents whose LGBTQ+ child came out to them within the past 10 years. The findings revealed that parents noted few changes in family functioning post coming out. Many noted small improvements in family functioning and enduring family strength.

- **John Gavin, William Ellis, Curtis VanderWaal.** *The Adventist Vote: Responses to the 2020 National Pre-Election Survey,* Andrews University.

#### Abstract

The relationship between Adventism and the social-political world has implications for understanding how Adventists relate to politics and society. Researchers present the findings from a 2020 National Pre-Election Survey on politics and social issues as well as reasons for voting decisions, the importance, and positions on social issues.

### AHSRA Session IV: Seventh-day Adventist Health/Adventist Church Systems

- **Karl Bailey and Duane McBride.** *Dissimilarities in Adventist Church Member Belief and Behavior across the Globe.*

#### Abstract

Do global Adventist church member beliefs and behaviors reflect this strictness across widely varying cultural ecosystems? Using a cultural ecosystem approach, we demonstrate that similarities and differences between Adventist church members in thirteen World Divisions of the General Conferences are influenced by global cultural patterns.

- **Robert McIver and Wendy Jackson.** *Differences in Practices of Personal Spirituality and Beliefs Concerning Salvation between Adventist Teachers in Australia and the Solomon Islands.*

#### Abstract

The statistically significant difference between the survey responses from 519 Adventist Teachers in Australia and 452 in the Solomon Islands are explained by underlying cultural differences: Solomon Islands teachers pray more frequently in groups than in private, and Melanesian culture values religion by its power to change lives.

- **Raul Rodriquez.** *Factorial model for the evaluation of the religious experiences and attitudes of the members of the Seventh-day Adventist Church of the Inter-American Division.*

#### Abstract

This study examines aspects associated with the religious experiences of the members of the Seventh-day Adventist Church in the Inter-American Division, based on data obtained from the 2017 Seventh-day Adventist Global Survey. Information from 5185 church members was analyzed, with respect to the battery of items of the general question number 28 of this survey, with the intention of identifying an adequate factorial structure for measuring the level of religious experiences and attitudes of the church members. Through exploratory factor analysis (EFA) and confirmatory factor analysis (CFA), two models were obtained to evaluate religious experiences: (1) a first-order model with four constructs: biblical foundations, training, leadership, and attention and care for church members, and (2) a second-order model, with four first-order constructs and the second-order construct called religious experiences. Both theoretical models show a good fit with the sample information, adequate internal consistency, discriminant validity and convergent validity. Likewise, Anova tests were carried out to evaluate the effect of the age group to which the church member belongs, as well as the size of the membership of the local church they attend, on each order one of the constructs of the second model.



## AHSRA Session V: Business/Organizations

- **Kimberly Pichot, Rachele Pichot. *Cracking the Shell of the Vegan Egg Substitute Market.***

### Abstract

Veganism has experienced exponential growth in the past decade and is gaining increased consumer attention (Forgive, 2018). The increased demand for vegan products extends into alternative products, as consumers adapt their lifestyle yet want an easy substitute for their favorite foods and researchers are interested in the economic translation of these consumer choices (Hepting et al, 2014). An exploratory survey was distributed to a southwest Michigan university and through social media which was completed by 302 self-selected American adults. One-way ANOVAs indicated that dietary preference impacted how much people enjoyed vegan substitutes ( $F(3,298) = 24.64, p < 0.001$ ), dietary preference length did not influence the enjoyment of vegan substitutes ( $F(3,222) = 2.12, p = 0.099$ ), and dietary preference did not impact issues encountered (taste, consistency, appearance, and cost) with vegan egg substitutes ( $F(3,298) = 0.096, p = 0.962$ ;  $F(3,298) = 2.645, p = 0.049$ ;  $F(3,298) = 0.382, p = 0.766$ ;  $F(3,298) = 2.765, p = 0.042$ ). The relationship between cooking and vegan egg substitute use is also explored. The colors associated with health, veganism, and eggs are also investigated and, across dietary preferences and consumers, there is a common perception of the colors associated with health, veganism, and eggs.

- **Duane Covrig, Mordekai Ongo, and Cesiah Yareth Pimentel Meléndez. *Being Good has a Cost: Exploring the Sacrificial Ethos of Adventist Healthcare Ministry.***

### Abstract

Pimentel Meléndez (2020) identified 12 founding principles of Adventist healthcare from Ellen White. We discuss the principle on fostering an “organizational character of sacrifice, hospitality, faith, and piety” in light of scholarship on organizational behavior, professional ethics and healthcare compliance. We review benefits and serious challenges in applying this principle.

- **Jerry Chi and Grace Chi. *Impacts of Servant Leadership on Burnout Level of Nursing Staff: A Structural Equation Model.***

### Abstract

Servant leadership reflects the Christian values and Biblical principles of providing service to others. The effects of servant leadership on employees are not known. Our purpose was to examine whether the practice of servant leadership in a Christian hospital improves effectiveness and/or decreases job burnout among staff nurses. Full-time employees of the Metroplex Adventist Hospital were surveyed. Structural Equation Model analysis of the 315 responses showed that servant leadership offers five virtues: interpersonal support, community building, altruism, egalitarianism, and moral integrity, all of which were significantly negatively correlated with job burnout in terms of emotional exhaustion, depersonalization, and personal accomplishment. The goodness of fit (GFI) was good, significant, and adequate: CFI = 0.923,  $\chi^2 = 3296.37$ , probability level  $p = 0.000$ , RMSEA = 0.021, NFI = 0.930, IFI = 0.930, TLI = 0.935. Post-hoc modification analyses were not conducted because these are the best results suggested by the AMOS analysis. It is notable that the standardized regression weight,  $\beta$ , is -0.68 with a significant probability level of 0.000. This indicated that Executive Servant Leadership will significantly reduce the nursing job burnout.

# AHSRA POSTER ABSTRACTS

Wednesday, May 19 12:30 -1:30 pm

Track I (Industry & Resource Management) Zoom Meeting ID: <https://andrews.zoom.us/j/98124968683>

- Lily D. Burke. *Emergence of Entrepreneurship in Transjordan during the Late Ottoman period.*

## Abstract

How did Ottoman policies influence emergence of entrepreneurship among elites in Transjordan from 1850-1914? During the late Ottoman period in Transjordan there was an economic transition from subsistence farming to the development of privately-owned, large-scale, for-profit farms. The current study hypothesized Ottoman government policy -prioritizing cash crop farming over subsistence farming and nomadic living - created conditions that allowed elites in Jordan to develop entrepreneurship. To measure my dependent variable, entrepreneurship, I adapted Rostow's Stages of Economic Development. To track my independent variable, Ottoman influence, I created a scale. From thematic analysis of selected case studies, my hypothesis was supported and expanded upon.

- Lillian Pazvakawambwa. *Water consumption patterns and determinants among Adventist women in Namibia: A health perspective.*

## Abstract

The objectives of the study were to establish drinking water consumption levels, patterns and socio-demographic determinants of water intake among Adventist women in Namibia. Records of 564 Adventist women aged 15-49 from the Namibia Demographic and Health Survey were examined to investigate their water consumption habits reported over 24 hours. Water consumption and associations with socio-demographic variables were established using Chi-Square tests. A binomial logistic regression model was fitted to establish determinants of water drinking habits among the women at 5% level of significance. Results indicated that water consumption among women was influenced by age-group, region and main language spoken at home. The educational level of the woman did not influence water consumption. There is need to further improve quick access to drinking water sources in Namibia. Effort to increase awareness of the health benefits of water among younger women and different cultural groups need to be stepped up in Namibia.

- Challis Pulotu. *Traditional Ecological Knowledge, beliefs, and practices associated with the Raggiana Bird-of-Paradise (Paradisaea raggiana) in Koiari, Central Province, Papua New Guinea.*

## Abstract

For many islands in the South Pacific Traditional Ecological Knowledge (TEK) is rarely taught and sought by locals and is lost due to the increase of urbanization and no transmission of such knowledge to younger generations. The Birds of Paradise (BOP) are one example of their TEK, beliefs, and practices being lost as the flagship of Papua New Guinea (PNG). The aim of this study was to examine the species richness and conservation status of the Raggiana Bird-of-Paradise (Paradisaea raggiana) (RBOP), and TEK among the indigenous Koiari people along the Kokoda Track in Central Province, PNG. A pretested questionnaire survey was used to collect information about local TEK, beliefs, and practices regarding the RBOP including its forest habitats. Indigenous Koiari people (17 to 83 years) were from four villages (Ioribaiwa, Agulogo, Manari, and Efogi). A total of 9 different species of BOPs were recorded as known by respondents, with 20 (36.4%) respondents distinctively using the RBOP for cultural or traditional uses. Respondents aged 31-40 years exhibited greater BOP and traditional knowledge, as measured by number of BOP species identified and traditional importance of RBOP. Male participants demonstrated better BOP species identification and TEK. Our results show that action is needed to document and present community TEK in Koiari, Central province, including PNG to preserve biodiversity and support cultural conservation.

- **Enrique Quezada, Marques Zarate, and Angel Armenta. *Se Habla Español: Spanish-language Appeals and Candidate Evaluations in the United States.***

#### **Abstract**

Many political candidates have exhibited their ability to speak Spanish in efforts to increase support among Hispanic voters. We argue that candidates, both Anglo and Hispanic, can use Spanish to signal closeness to Hispanics, attempting to bridge a gap (in the case of Anglo candidates) or doubling down on their shared identities (in the case of Hispanic candidates). Further, we posit that the effectiveness of these language appeals is conditional on fluency. To test this, we run an experiment where participants listen to an audio clip of a hypothetical candidate's stump speech. We vary the race/ethnicity of the candidate (Anglo or Hispanic) and the language of the speech (English, poor Spanish, and fluent Spanish). We find that Hispanic support for both the Anglo and Hispanic candidates is higher in the fluent Spanish condition compared with the English-only condition. Relative to the English condition, poor Spanish does not increase support for the Anglo candidate but it decreases support for the Hispanic candidate. Since candidates must worry about alienating non-Hispanic voters, we run the same experiment with Anglo respondents. Similar to Hispanics, Anglo respondents also exhibited higher levels of support for a Spanish-speaking candidate. Our results suggest that candidates can effectively appeal to the Hispanic electorate through Spanish-language appeals.

- **Olasimbo Meduoye. *Assessment of social media impact on Christian Lifestyle among the redeemed Christian Church of God Youths.***

#### **Abstract**

Social media is a means of interactions among people and it is being recognized for changing the way of life of youths. Various studies have been carried out on youth's usage of social media and its impact on their social lifestyle, academic performance and development. While it has been established that social media proffer several benefits to the youth, there has been a marked change in the lifestyle of Christian youths. This research examines different types of social media in existence and its accessibility, impact of social media on moral and academic achievement of Redeemed Christian Church of God (RCCG) youths; various prospects and risk the RCCG youth stand to face by their involvement in the use of social media. This study adopted the Survey research design as the most appropriate method to gather data for the study. The study population consisted of youths from RCCG youth parishes namely: Rhema Chapel, Amazing grace Parish, Chapel of Praise and Messiah Praise Sanctuary Youth Parish. The respondents were selected through simple random technique and a sample size of 80 respondents.

The findings showed that 63.3% of the respondents use social media daily, 16.7% of the respondents visit per hour, 2.3% of the respondents visit weekly and 16.7% of the respondents visit once in a while. 56.7% of the respondents agreed that social media enables youth to communicate with other their faith. 33.3% agreed and 3.3% strongly disagreed. Consequently, more than half of the respondents are addicted to social media; there is no visible effect on church attendance numerically. Finally, 26.7% of the respondents strongly agreed that Christian youth's involvement in social media make them passive Christians. In conclusion, the usage of social media has both positive and negative effects on Christian youth participation in spiritual activities. It is hereby recommended that youth parishes should sensitize the youths on negative and positive usage of social media. Also, Christian based social networking sites should be promoted. Finally, Christian youth leaders should emphasize the dangers of social media poses to their Christian lifestyle.

- **Raimond D. Luntungan and Kepha O. Pondi. *Transitioning to Online Teaching in an Academy During COVID-19 Pandemic: A Case Study.***

#### **Abstract**

Online teaching and learning have been a steady trend in distance education as an alternative to face-to-face teaching methods in the recent past. The worldwide pandemic outbreak of novel coronavirus has forced educational institutions to resort to online teaching and learning mode. Consequently, schools that had not implemented online teaching before, needed to rethink transitioning from face-to-face to online learning mode. A qualitative case study research design was used to explore and describe the transitioning experience from face-to-face to online teaching and learning during covid-19 Pandemic at an academy in the Philippines. Purposive sampling with maximum variation was used to select the participants for the study. There were eight participants that included school administrators, teachers, school children and their parents. Prior to data collection, the study sought for approval from Ethics Review Board, the school administration, and informed consent from the participants and the parents of the participating children. The data were collected through audio and video recorded interviews, observations, and document review. The data were transcribed and analyzed using HyperResearch software to obtain codes, categories and themes. The findings show the following themes: Leadership experiences, preparations needed, teacher experiences, online learning platforms utilized, and the challenges. The study has implications on adequate teacher preparation and training on online teaching, curriculum design and development, and classroom management that requires new paradigm. Further studies should focus on post pandemic teaching and learning implications.

- Yanina C. Jimenez. *Educational Neuroscience and Equity, Trauma & Online Learning University.*

**Abstract**

Purpose: This study aims to bridge neuroscience and classroom teachers by exploring the role of brain science, psychologists, classroom teachers in relevant issues in the field of education such as best instructional practices, trauma-informed practices, inequalities and online learning.

Research methods: The reviewed literature includes neuroscience studies in books and online articles.

Findings: Neuroscientists need to communicate with classroom teachers and vice versa. The name of this 2-way bridge is called Educational Neuroscience. Educational neuroscience has answers on relevant issues such as inequalities in education, trauma-informed practices and online learning.

Implications: This study has salient theoretical, methodological, and practical implications for neuroscientists and classroom teachers. Theoretically, neuroscience has done much research that is useful for classroom teachers. Methodologically, teachers need to apply more educational neuroscience's findings into their classroom and practices. Practically, classroom teachers can apply brain-friendly principles to instruction and learning space design for meaningful and lasting learning.

Keywords: educational neuroscience, cognitive neuroscience, brain science, brain-friendly instruction, brain-friendly learning space design, neuroscience, trauma-informed teaching, equity in education, online learning.

- Sonia Almwalad. *Anxiety and Bilingual Students in the Classroom.*

**Abstract**

The research seeks to explore the relationship that exists between anxiety and bilingual students in the classroom setting - while shedding light on how the use of the second language might impact the way learners interact as well as their academic performance and the causes of language anxiety.

- Thula Norton Lambert. *Learning to Become Teachers: A Narrative Photo Elicitation Study Proposal.*

**Abstract**

How do they become teachers? The proposed study aims to understand the formation of teacher identity of two novice preschool teachers in Senegal during a blended learning Montessori certification program, by documenting their professional growth experiences using qualitative data collection methods within a narrative case study design.

Thursday, May 20, 2021 1:00 - 2:00 pm

Track IV (Health) Zoom Meeting ID: <https://andrews.zoom.us/j/98124968683>

- **Ronda Christman, Farron Kilburn, Michelle Youngblood, and Cynthia Gettys.** *Collaborations to Serve the Health-challenged in our Community.*

**Abstract**

The US Census (2019) has identified that the per capita income in Chattanooga is \$28,852 and 19% live in poverty. With finances so challenged, paying for healthcare is a huge problem for many Chattanoogaans. In 2017, Chattanooga's poverty rate dropped to the lowest rate for the first time since 2007 (Flessner, 2017). Of the people who are 65 and older, 17.6% live in poverty (Census.gov, 2019). While 51% of females live in poverty (Census.gov, 2019). If they don't have enough money to eat, they surely don't spend money on healthcare, much less on preventive screenings. It is important as educators to work together with community partners. Creating partnerships is a very beneficial way to work together and serve the community. There is a gap in the literature on providing free healthcare to the poor and underserved population. There are a few briefs which describe the process of planning or providing the free healthcare (Jackson, 2011; Free Health Fair, 2016; Student Hold Free Health Fair for Brooklyn Families, 2012). However, finding evidence about the participant's perceptions or satisfaction of attending a free health fair is non-existing. Several studies have collected data at a health fair but did not utilize a standardized survey instrument (Escovey et al., 2017; Hamilton et al., 2017; Murry et al., 2014; Salerno et al., 2018; Ying Yang Chan et al., 2019). In 2000 Chris Ramsey started the Southeast Tennessee Healthcare Consortium (SETH-C) and they started having the Minority Health Fair (MHF) which is a free health fair for Chattanoogaans. There is a need for free healthcare and screenings. There are over 2,000 people who attend the MHF annually. This study explored the participants' perceived benefits of attending a MHF.

An exploratory descriptive mixed method design was used. The sample consisted of 87 adults aged 20 to 85. Google Forms was utilized to collect the data for ease of use for the participants. The survey link was converted to a QR code and made available to the MHF participants. The online survey data populated Google Sheets and was then analyzed using descriptive statistics. The vast majority of the 87 participants self reported that they felt the minority health fair was beneficial.

- **Padma Tadi Uppala, Sherri Isaak, and Michael Uppala.** *Systematic review of evidence-based natural therapies for the prevention and treatment of COVID-19.*

**Abstract**

The purpose of this research is to provide evidence-based natural therapies that enhance the immune system to fight the virus SARS CoV-2. Successful lessons learned from controlling previous 1918 pandemic flu will be discussed. We hypothesize that targeting lifestyle factors such as diet, and hydrothermal therapy can control and reduce the risk for COVID-19 disease. Enhancing the innate immune system through natural therapies has shown to enhance immune cells to fight COVID-19 and destroy it.

- **Cesiah Yareth Pimentel Meléndez and Duane Covrig.** *19th Century Adventist Healthcare Principles in 21st century Adventist Hospital: Preparing People to be Whole before God.*

**Abstract**

This study identified Adventist healthcare founding principles in Ellen White's early health visions and how current Adventist healthcare leaders perceive their application. We focus on one principle, the call to prepare people to be perfect before a Holy God. We show how this principle has matured and aligns well with Adventist teachings on divine judgment and work for social justice.



- **Ranjith Gladstone. *Career Researchers of the Alumnus of an International Higher Education Institution in the Philippines from 2016-2020: A Case Study.***

**Abstract**

Production of knowledge through research is a highlight of the academic performance of a student. Higher education institution has made it compulsory for such educational practices during their course work. However, there is no guarantee that the method continues to stay put with the students after graduation. The early career researchers are the ones who continue with their research after graduation with a different intention. This study is to uncover the purpose by understanding the detailed demographics, their perception, and meaning about the phenomenon of early research careers. This study has two phases: the detailed demographics with some open-ended questions, and the second will be follow-up descriptive questions. This study is qualitative in nature except for the accurate details of demographics. It is a descriptive and exploratory case study with unit analysis as a single embedded case study. A validated questionnaire is used for this study. The research setting is an international higher education institution in the Philippines. The population is all the graduands or alumni of this institution from 2016-2020. Upon clearance from the ethics review board, the collected data will paint a picture for us to know early career researchers' role in social science. The data is initially collected using google forms. The study results are significant as it recommends the research culture to be initiated and emphasized during the course of study with the right direction.

- **Dixon Anjejo, Sammy Ngetich, Stephen Maitanmi, Jean Cadet, Rebecca Alva, and Shantel Wahl. *Factors Associated with the High Rates of Divorce among Sub-Saharan African Immigrants Living in the United States.***

**Abstract**

The purpose of this research was to examine factors associated with high divorce rates among immigrants from four African countries living in the US. A cross-sectional study design was used, adopting Berry's framework. Preliminary results indicate 52% are female, 74% are Kenyans, 95% are married, and 11% are remarried.

- **Carole Woolford-Hunt, Rachelle Pichot, Myshira Oliver, and Ivah Lang. *Cultural Narrative Archive: Recording and Sharing Meaningful Life Narratives Through the Culture, Psychology and Resilience (CPR) Research Lab in the Department of Graduate Psychology and Counseling.***

**Abstract**

The sharing of life narratives is the basis of deep relationships, introspection, and a meaningful existence (Lewis, 2011). The current study aims to create a Cultural Narrative Archive (CNA) for the people affiliated with Andrews University. The stories shared are to be celebrated through the public access archive and through research.

- **Abilio Henrique Berticelli de Freitas. *Urban or Rural: Where are people happier and why?***

**Abstract**

Using data from a worldwide sample, we investigate how happy people look like and if these “happiness characteristics” are more present in big urban towns or in small rural villages. We found evidence that (i) people seem to be slightly happier in rural settlements, (ii) happier people have some particular characteristics (e.g., higher levels of trust in others and being more interested in politics) and (iii) these positive attitudes are slightly more present in rural contexts. Then, we discuss some conceivable explanations to what we have seen.

- **Jerry Chase. *Leveraging Geodemographic Data for Human-Subject Research: A Missiological Application.***

**Abstract**

This presentation will briefly introduce the concept of geodemographics, how the North American Division of Seventh-day Adventists conducted a marketing study in the mid-1980s, and what they learned from the study. The paper will conclude with how to replicate the NAD market research study simply and inexpensively with today’s technology.

- **Santosh Kumar. *Caste or Christ?: Empirical research on the existence of Castism in the Southern Asia Division of SDA.***

**Abstract**

The caste system is deeply rooted in the socio-religious structure of the society in India (Mendelsohn and Vicziany 1998, 5-6). Casteism in India is associated primarily with Hinduism but not limited to it, but both Indian Muslims and Christians also have differences based on castes (Purthi 2004, 161). In India, society is shriveled by the caste system that has created a social division that has been a challenge to the social reformers in the past. The caste system creates a social deprivation that has its effect on the spirituality of the church. Humans are born with a desire to belong, and the church must fulfill this community's desire by making them feel belonged (Putman and Stetzer 2008, 71). Unfortunately, this social disease of castism has metastasized in the SDA church.

This presentation offers empirical research utilizing qualitative methodology to identify the caste system's intensity within the church. The result of the qualitative findings is based on interviews of five participants aged between 18-36. The participants were from at least three language groups: Tamil, Telugu, and Malayalam, representing three different states in India, Tamil Nadu, Andhra Pradesh, and Kerala. All the participants volunteered to participate in the study. Two among five were face-to-face interviews, and the remaining three participants were interviewed online through the Zoom platform. The findings suggest a need for the discrimination and shame caused by the caste system to be exposed and eliminated if the Adventist Church is to remain true to Christ’s teaching of equality among the human family.

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# THANK YOU

## ARC

We wish to express our appreciation to all the presenters, attendees, and sponsors who made this event possible. It was our pleasure to have been afforded this opportunity to facilitate the dissemination of knowledge, the sharing of ideas, and building of relationships. We encourage you to pursue excellence, understanding, and authentic community as we proclaim the gospel of our soon coming Savior.

We would be delighted if you would choose to attend the next ARC conferences:

- ARC May 2022: "Early Career Science Technology Engineering & Math"
- ARC May 2023: "Early Career Arts & Humanities"

For more details on past and future ARC programs please visit our website <https://digitalcommons.andrews.edu/arc/>.

Sincerely,

Gary W. Burdick, PhD  
Dean of Research  
Professor of Physics

Mordekai Ongo, PhD  
Research Integrity and Compliance Office

Carlisle Sutton, M.Div, MSCID  
Research Services Coordinator

## AHSRA

Congratulations to all the presenters of the ARC-AHSRA 2021 joint virtual conferences! As a researcher with some experience, I am encouraged by the breadth and depth of the research I have observed coming to our attention from Adventist researchers across the world. As a movement, we continue to develop our reliance on research as a tool to guide our institutions to do better in addressing the challenges of our students, families, businesses, and communities.

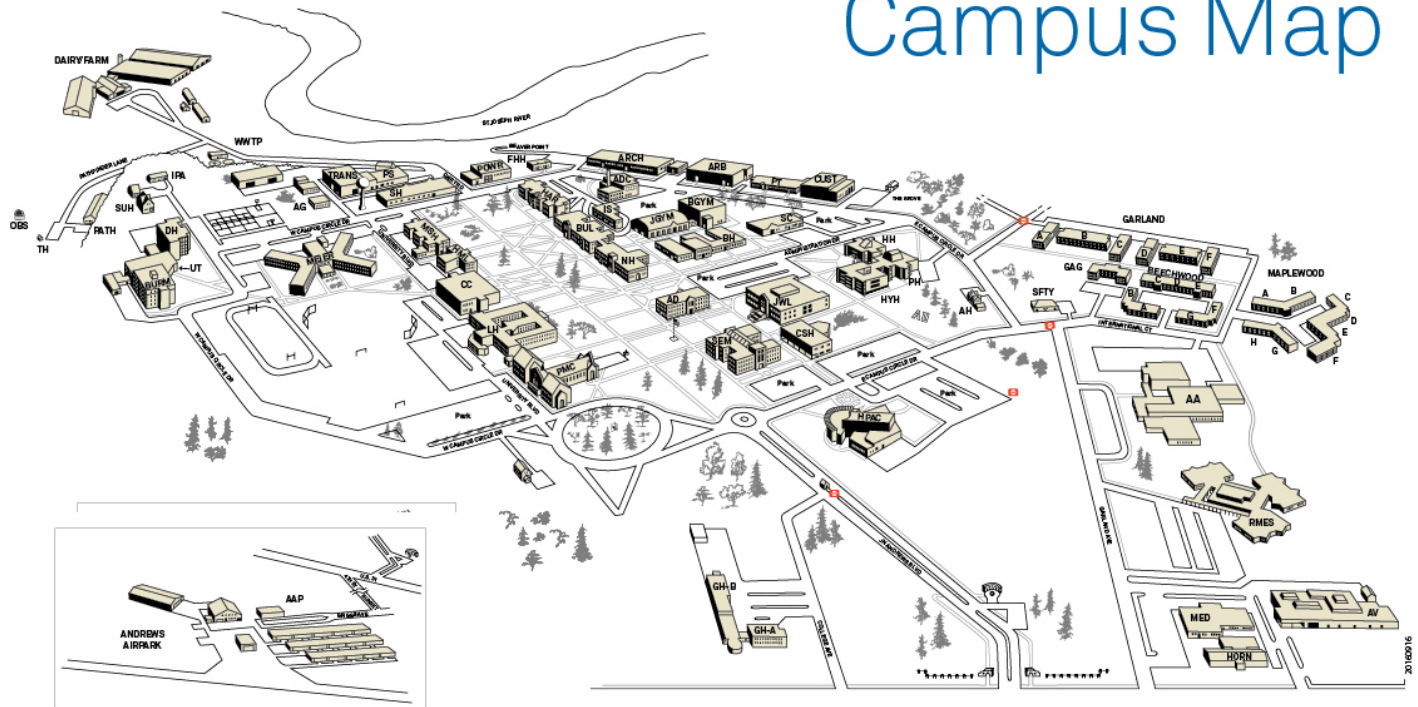
I wish to thank our Planning Committee and our organizational Directors, Petr Cincala, Rene Drumm, Duane McBride, Rob McIver, Mordekai Ongo, Elizabeth Role, David Trim, and Galina Stele, for their work on the program in these complex times. Our Committee owes a special thanks to Curt VanderWaal for his leadership on developing our Program as well as to Carlisle Sutton, and the Office of Research and Creative Scholarship, for the tireless work on the program format and presentation. We will continue to rely on Carlisle as our technology leader for the Conference.

I hope we all receive a blessing from our participation in the ARC and AHSRA Conference! Please continue to follow our organization through our link at <http://www.ahsra.net/>.

*Duane McBride*


Duane McBride, Ph.D.  
President, Adventist Human-Subject Researchers Association

# Campus Map



- AA** Andrews Academy
- AAP** Andrews Airpark (Aviation, Seamount Building, Tucker Building)
- AD** Administration Building (Academic Records, Enrollment Management, Financial Records, Graduate Studies, Human Resources, Intl Student Services & Programs, President, Provost, Research & Creative Scholarship, Student Financial Services)
- ADC** Art & Design Center
- AG** Agriculture (Greenhouse)
- AH** Alumni House
- ARB** Arboretum/Grounds
- ARCH** Architecture
- AV** Apple Valley Market
- BGYM** Beaty Gym (Gymnics, Pool)
- BH** Bell Hall (Counseling & Testing Center, Graduate Psychology & Counseling, Leadership, Teaching, Learning & Curriculum, Speech-Language Pathology & Audiology)
- BUL** Buller Hall (Behavioral Sciences, History & Political Science, Religion & Biblical Languages)
- BURM** Burman Hall (Men's Residence)
- CC** Campus Center (Campus & Student Life, Campus Ministries, Dining Services, Recreation Center, Student Activities & Involvement, Undergraduate Leadership, University Health & Wellness)
- CSH** Chan Shun Hall (Accounting, Economics & Finance; Management, Marketing & Information Systems)
- CUST** Custodial Services
- DH** Damazo Hall (Women's Residence)

- DAIRY** Dairy
- FARM** Farm
- FHH** Forsyth Honors House
- GAG** Garland Apts G (University Apartments)
- GH-A** Griggs Hall-A (Integrated Marketing & Communication)
- GH-B** Griggs Hall-B (Adventist Learning Community, Development, Griggs International Academy, Off-Campus Programs, Planned Giving & Trust Services, School of Distance Education & International Partnerships)
- HAR** Harrigan Hall (Engineering & Computer Science, Imaging Services, LithoTech, SHP Dean's Office)
- HML** Hamel Hall (Music)
- HORN** Horn Archaeological Museum
- HPAC** Howard Performing Arts Center
- HYH** Haughey Hall (Mathematics, Physics)
- HH** Halenz Hall (Chemistry & Biochemistry, Medical Laboratory Sciences)
- IPA** Institute for Prevention of Addictions
- IS** Information Services (AIM, ITS, Telecom)
- JGYM** Johnson Gym (Athletics)
- JWL** James White Library
- LH** Lamson Hall (Women's Residence)
- MED** Medical Center
- MEIER** Meier Hall (Men's Residence)
- MSH** Marsh Hall (Crayon Box, Nursing, Public Health, Nutrition & Wellness)
- NH** Nethery Hall (Andrews Core Experience, English, Explore Andrews, Honors, Intensive English,

- International Languages & Global Studies, Social Work, Student Success Center, Visual Art, Communication & Design, Writing Center)*
- OBS** Robert & Lillis Kingman Observatory
- PATH** Pathfinder Building
- PH** Price Hall (Biology)
- PMC** Pioneer Memorial Church
- POWR** Power Plant
- PS** Plant Services
- PT** Physical Therapy
- RMES** Ruth Murdoch Elementary School
- SC** Service Center (Bookstore, Post Office, Hair Salon, Barbershop)
- SEM** Seminary
- SFTY** Campus Safety
- SH** Smith Hall (Agriculture, VACD Studios)
- SUH** Sutherland House (Andrews University Press)
- TH** Tubing Hill
- TRANS** Transportation
- UT** University Towers (Guest & Convention Services)
- WWTP** Wastewater Treatment Plant
-  Security Gate
- Park** Parking passes are required. Please pick up your free visitor parking pass at the Office of Campus Safety.



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The 2021 joint ARC-AHSRA conference is generously supported by:



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**Office of Research and Creative Scholarship 8488**  
E Campus Circle Dr Buller Hall 234  
Berrien Springs, MI 49104-0075

Phone: (269) 471-3042  
Email: [research@andrews.edu](mailto:research@andrews.edu)  
URL: <http://www.andrews.edu/research>