

CURRICULUM VITAE

Jess Francis, PhD

University of Michigan
Institute for Social Research

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Citizenship: U.S.

EDUCATION

- | | |
|-------------|---|
| 2014 - 2018 | Michigan State University, Ph.D.
Major: Information & Media
Chair: Shelia R. Cotten, Ph.D. |
| 2011 - 2012 | Rochester Institute of Technology, M.S.
Major: Communication and Media Technologies
Advisor: Rudy Pugliese, Ph.D. |
| 2003 - 2007 | SUNY Geneseo, B.A.
Major: English |

RESEARCH INTERESTS

Digital Divide
Social Isolation
Health and Social Impact of Technology Use
Marginalized Populations

ACADEMIC EMPLOYMENT

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| Present | Postdoctoral Research Fellow , University of Michigan, Institute for Social Research, Life Course Development Program |
| Fall 2018 – Fall 2019 | Postdoctoral Research Fellow , University of Rochester Medical Center, Clinical and Translational Science Institute; Center for Health + Technology. |
| Summer 2018 | Graduate Instructor , Michigan State University, School of Journalism (Online course) |
| Spring 2018 | Graduate Instructor , Michigan State University, School of Journalism |

- Fall 2017 **Graduate Instructor**, Michigan State University, School of Journalism
- Summer 2017 **Graduate Instructor**, Michigan State University, School of Journalism (Online course)
- Spring 2017 - Fall 2017 **Graduate Research Assistant**, Michigan State University National Science Foundation grant: (DRL-1404467; PI: Shelia R. Cotten). Assessed the effect of a classroom computing intervention on STEM attitudes among students.
- Spring 2017 **Graduate Instructor**, Michigan State University, School of Journalism
- Fall 2015 - Spring 2017 **Graduate Research Assistant**, Michigan State University National Institute on Aging grant: (R01AG030425; PI: Shelia R. Cotten). Intervention to assess how information and communication technologies (ICTs) may be used to enhance quality of life among older adults.
- Fall 2015 - Spring 2017 **Graduate Student Research Lead**, Michigan State University Collaboration with WKAR-TV to conduct field experiments to assess impact of science television programming on 4th grade students' STEM interests.
- Spring 2015 **Graduate Teaching Assistant**, Michigan State University, School of Journalism
- Fall, 2014 **Graduate Instructor**, Michigan State University, School of Journalism

PUBLICATIONS

Huang, K.T., Ball, C. & Francis, J. (Forthcoming). The Perceived Impacts of COVID-19 on Users' Acceptance of Virtual Reality Hardware: A Digital Divide Perspective. *American Behavioral Scientist*.

Webster, N. J., **Francis, J.**, & Antonucci, T. C., (Forthcoming). Smart living for older people and the aging consumer. In A. Drolet & C. Yoon (Eds.) *The Aging Consumer: Perspectives from Psychology and Marketing*, Routledge.

Ball, C. Huang, T., **Francis, J.**, Kadylak, T., Cotten, S.R. & Rikard, R.V. (Forthcoming). A Call for Computer Recess: The Impact of Activities on Minority Students' Technology Self-Efficacy. In **J. Francis**, C. Ball, & K.T. Huang (Eds.) *American Behavioral Scientist Special Issue: Rethinking the Relationship between Digital, Educational, and STEM*

Inequalities: From the Traditional Classroom to Daily Life. (Special issue editor and author).

Spear, K., Auinger, P., Simone, R., Dorsey, E.R, & **Francis, J.** (2019). Patient views on telemedicine for Parkinson disease. *Journal of Parkinson's Disease, 9*, 401-404.

Francis, J., Ball, C., Kadylak, T., & Cotten, S. R. (2019). Theorizing age-based digital inequalities. In B. Barbosa Neves & F. Vetere (Eds.) *Ageing and Digital Technology*, (pp. 35-49). New York, NY: Springer.

Huang, T., Ball, C., **Francis, J.**, Ratan, R. (2018). Augmented versus virtual reality in education: An exploratory study examining science knowledge retention when using AR/VR mobile applications. *Cyberpsychology, Behavior, and Social Networking, 22*, 105-110.

Francis, J., Kadylak, T., Makki, T., Rikard, R.V., & Cotten, S. R. (2018). Catalyst to connection: When technical difficulties lead to social support for older adults. *American Behavioral Scientist, 62*, 1167-1185.

Kadylak, T., Makki, T., **Francis, J.**, Cotten, S. R., & Rikard, R.V. (2018). Disrupted copresence: An analysis of older adult's views on the impact of ICT use during FtF interactions. *Mobile Media & Communication, 6*, 331-349.

Francis, J., Rikard, R.V., Cotten, S. R., & Kadylak, T. (2019). Does ICT use matter? The effect of information & communication technology (ICT) use on perceived mattering among older adults. *Information, Communication & Society, 22*, 1281-1294.
<https://doi.org/10.1080/1369118X.2017.1417459>

Ball, C., **Francis, J.**, Huang, T., Kadylak, T., Rikard, R. V., & Cotten, S. R. (2017). The physical digital divide: Exploring the social gap between digital natives and physical natives. *Journal of Applied Gerontology, 38*, 1167-1184.

Kadylak, T., **Francis, J.**, Cotten, S., Rikard, R.V. Makki, T.W., LaRose, R., & Tsai, H. (2016). Extending the STAM: The role of habit in the acceptance of technology among older adults. *Gerontechnology 2016 (suppl)*.

Francis, J., Kadylak, T., Cotten, S., Rikard, R.V. (2016). *When it Comes to Depression, ICT Use Matters: A Longitudinal Analysis of the Effect of ICT Use and Mattering on Depression among Older Adults*. Proceedings of the Human-Computer Interaction International Conference 2016.

Cotten, S., **Francis, J.**, Kadylak, T., Rikard, R.V., Huang, T., Ball, C., DeCook, J. (2016). *A tale of two divides: Technology Experiences among Racially and Socioeconomically Diverse Older Adults*. Proceedings of the Human-Computer Interaction International Conference 2016.

Francis, J. (2014). A Case Study of Edwin Howard Armstrong's Public Relations Campaign for FM. *Media History*.

Francis, J. (2013). The Real Benefits of "Fake" News: How The Daily Show With Jon Stewart Promotes Informed Civic Behavior. *Journal of Communications Media Studies*.

Francis, J. & Tribble, C. (Eds.). (2012). *Proceedings of the 9th Annual Conference for Undergraduate Research in Communication*. Rochester, NY: Rochester Institute of Technology.

MANUSCRIPTS IN PREPARATION/SUBMITTED FOR REVIEW

Jess Francis. Elder orphans on Facebook: The effect of Facebook use on mattering and loneliness among older adults at risk for social isolation. Submitted to *Computers in Human Behavior*.

Noah Webster & **Jess Francis.** COVID-19 relevant indicators of social isolation among older adults. Submitted to *Journal of Gerontology: Social Sciences*.

Jess Francis, Kristine Ajrouch, Noah Webster, Nour Fakhoury & Toni Antonucci. The impact of social relations on the relationship between technology use and depression among older adults.

Noah Webster, **Jess Francis,** & Toni Antonucci. Computer use and well-being among older adults: The role of environmental context.

Jessica Francis. What matters on Facebook: How older adults at risk for isolation derive feelings of mattering from Facebook use.

Travis Kadylak, **Jessica Francis,** Shelia Cotten, & R.V. Rikard. Mattering: An underlying social psychological mechanism for mental health among older adults. Submitted to *Research on Aging*.

Travis Kadylak, **Jessica Francis,** Shelia R. Cotten, Taj Makki, R.V. Rikard. Extending the STAM: The role of habit in the acceptance of technology among older adults. Submitted to *Information, Communication, & Society*.

Jessica Francis, Juan Mundel, & Elizabeth Taylor Quilliam. Channeling threat: An investigation of the effect of media channel credibility on perceived threat using the EPPM.

GRANTS AND AWARDS

2020 Science Communication Fellowship

Awarded by the University of Michigan's Museum of Natural History for commitment to science communication and public engagement.

- 2020 **A. Regula Herzog Young Investigators Award**
Awarded by the University of Michigan Survey Research Center's A. Regula Herzog Young Investigators Fund to support researchers who engage with older populations.
- 2020 **RAND Summer Institute Scholarship**
Awarded by the RAND Summer Institute, National Institute on Aging, and the National Institutes of Health Offices of Behavioral and Social Scientists Research.
- 2019 **TL1 Blue Ribbon Award**
Awarded by the Association for Clinical and Translational Science for research presented at Translational Science 2019 in Washington, DC.
- 2018 **Pearl Aldrich Graduate Student Research Award**
Awarded by the Pearl J. Aldrich Endowment in Gerontology to graduate students who are committed to a career in an aging related discipline in order to support new and innovative research related to gerontology.
- 2018 **Michigan State University's Graduate School Dissertation Completion Fellowship**
- 2018 **Michigan State University's Communication Arts and Sciences Summer Research Excellence Fellowship**
Awarded by the School of Journalism.
- 2017 **Venture Fellowship**
Awarded by the Michigan State University Foundation and Spartan Innovations for the application and commercialization of emerging health technology.
- 2016 **Charles J. Strosacker Fellowship**
Awarded by the Charles J. Strosacker Foundation for project entitled: "Technology for diabetes self-management: Exploring perceptions among midlife and older Native Americans."
- 2016 **S3 Collaborative Grant Award**
Awarded by Michigan State University as seed grant funding to support new or emerging interdisciplinary collaborations. Awarded for project entitled: "The impact of telepresence robot use on older adults' well-being."
- 2016 **Michigan State University Graduate School Fellowship**
- 2016 **Michigan State University School of Journalism and Media & Information Studies Program Merit Award**
- 2008 **Michigan State University's Communication Arts and Sciences Summer Research Excellence Fellowship**

Awarded for project entitled: "Channeling threat: An investigation of the effect of media channel credibility on perceived threat using the EPPM."

CONFERENCE PRESENTATIONS

Francis, J. (2019). *Aging in the Digital Age: Implications for Health and Well Being*. Featured presentation at University of Rochester CTSI Series Finale in Rochester, NY, June 25.

Francis, J. (2019). *Elder orphans on Facebook: The effect of Facebook use on mattering and loneliness among older adults at risk for social isolation*. Paper presented at Translational Science 2019 in Washington, D.C., March 5-8.

Francis, J., Hussain S. A., & Cotten, S. R. (2018). *A privacy paradox: Potential barriers and benefits of telepresence robot use among older adults*. Paper presented at the 11th World Conference of Gerontechnology in St. Petersburg, FL, May 7-11.

Huang, T. K., Ball, C., **Francis, J.**, Ratan, R., Boumis, J., & Fordham, J. (2018). *Augmented versus Virtual Reality in Education: An Exploratory Study Examining Science Knowledge Retention when using AR/VR Mobile Applications*. Paper presented at PRESENCE 2018 in Prague, Czech Republic, May 20-21.

Francis, J., Rikard, R. V., Cotten, S. R., & Kadylak, T. (2017). *Does ICT use matter? The effect of information & communication technology (ICT) use on perceived mattering among older adults*. Paper accepted to the National Communication Association Conference, Dallas, TX.

Kadylak, T., Makki, T., **Francis, J.**, Cotten, S. R., Rikard, R. V., & Sah, Y. (2017). *Disrupted Copresence: An Analysis of Older Adults' Views on the Impact of ICT Use During FtF Interactions*. Paper presented at International Communication Association Conference, 2017 in San Diego, CA, May 25 -29.

Ball, C. **Francis, J.**, Huang, KT., Kadylak, T., Rikard, R. V., & Cotten, S. R. (2017). *The Physical Digital Divide: Exploring the Social Gap Between Digital Natives and Physical Natives*. To be presented at the Annual Meeting of the American Sociological Association 2017 in Montreal, Quebec, August 12-15.

Ball, C., Huang, K., **Francis, J.**, Kadylak, T., Cotten, S. R., & Rikard, R. V. (2017). *A Call for Computer Recess: The Impact of Activities on Minority Students' Technology Self-Efficacy*. To be presented at the Partners for Progress on the Digital Divide 2017 International Conference in San Diego, CA, May 24-26.

Francis, J., Ball, C., Huang, KT., & Brown, J. (2016). *The Mattering Circle: How Social Gaming Can Promote Mattering among Golden Gamers*. Presented at Meaningful Play 2016, East Lansing, MI, October 20-22.

Francis, J., Ball, C., Huang, K.T. (2016). *The Mattering Circle: Designing Games to Promote Mattering Among Older Adults*. Paper presented at the DiGRA/FDG 2016 Digital Games for Older Adults Workshop, Dundee, Scotland, August 1-6.

Kadylak, T., **Francis, J.**, Cotten, S., Rikard, R.V. (2016). *Older Adults' Online Activities: An Advancement of the Senior Technology Acceptance Model (STAM)*. Paper to be presented at the 10th World Conference of Gerontechnology, September 28, Nice, France.

Francis, J., Kadylak, T., Cotten, S., Rikard, R.V. (2016). *When it Comes to Depression, ICT Use Matters: A Longitudinal Analysis of the Effect of ICT Use and Mattering on Depression among Older Adults*. Paper to be presented at the 18th International Conference on Human-Computer Interaction, July 17-22, Toronto, Canada.

Cotten, S., **Francis, J.**, Kadylak, T., Rikard, R.V., Huang, T., Ball, C., DeCook, J. (2016). *Digital Divide Extremes: Technology Experiences among Racially and Socioeconomically Diverse Older Adults*. Paper to be presented at the 18th International Conference on Human-Computer Interaction, July 17-22, Toronto, Canada.

Kadylak, T., **Francis, J.**, Cotten, S., Rikard, R.V. (2016) *Mattering: An Underlying Social Psychological Mechanism for Social Support and Mental Health among Older Adults*. Paper presented at the 15th International Conference on Social Stress Research, June 4-6, San Diego, CA.

Francis, J., Rikard, R.V., Cotten, S., Kadylack, T. (2016). *Does ICT Use Matter? An Investigation of the Effect of ICT Use on Older Adults' Sense of Mattering*. Paper presented at the 2016 Aging in America Conference, March 20-24, Washington DC.

Cunningham, C., Deng, T., Miller, C., **Francis, J.**, & Duan, R., (2015, May). Intense visuals: Communicating sustainable food practices through evoking arousal. Presented at International Communication Association Convention Pre-conference: Young Scholars Preconference on Visual Methods, May 21-25, 2015, San Juan, Puerto Rico.

Deng, T., Cunningham C., **Francis, J.**, Miller, C., Duan, R., (2015, March). Forget green, recall blue: Effects of color and arousal on recall of sustainable food advertisements, Graduate Academic Conference, Michigan State University, March, 2015, East Lansing, Michigan.

Francis, J., (2013, April). The Real Benefits of "Fake" News: How The Daily Show With Jon Stewart Promotes Informed Civic Behavior. 2013 Eastern Communication Association Convention, Pittsburgh, PA.

Francis, J. (2013, April). Analyzing "Making-Of-The-Ad" Video and Its Implications for Authenticity and Strategic Communication. 2013 Eastern Communication Association Convention, Pittsburgh, PA.

TEACHING EXPERIENCE

INSTRUCTOR OF RECORD

Fall 2018	Writing & Reporting News (JRN 200) , Michigan State University
Summer 2018	World of Media (JRN 108) , Michigan State University
Spring 2018	Writing & Reporting News (JRN 200) , Michigan State University
Fall 2017	Writing & Reporting News (JRN 200) , Michigan State University
Summer 2017	World of Media (JRN 108) , Michigan State University
Spring 2017	World of Media (JRN 108) , Michigan State University
Fall 2014	Writing & Reporting News (JRN 200) , Michigan State University
Fall 2012 - Spring 2014	Introduction to Mass Media (COM 101) , Monroe Community College Media Literacy (COM 120) , Monroe Community College Interpersonal Communication (SPC 141) , Monroe Community College

TEACHING ASSISTANTSHIPS

Spring 2015	World of Media (JRN 108) , Michigan State University
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PROFESSIONAL DEVELOPMENT, TRAINING, & SERVICE_____

Grant Writing Committee Member

ALACRITY center grant for technology based and suicide intervention and prevention across the lifespan – University of Rochester’s Department of Psychiatry

Organizing Committee Member

d.Health Summit 2019: Aging & Innovation Conference – University of Rochester and West Health (Boston MA; June 11, 2019)

Blogger

d.Health Digest: *Ask the Gerontechnologist* – University of Rochester

Graduate Student Representative

Inclusiveness Committee – Michigan State University’s College of Communication Arts & Science

Participant

Center for Research and Education on Aging and Technology Enhancement
Workshop on Health Care Technologies for Older Adults – University of Miami
Miller School of Medicine’s Center on Aging (February 23-24, 2017)

Faculty Advisor

OutCasting LGBTQ Public Radio - Michigan State University Bureau

Course Member

USC Leonard Davis School of Gerontology – Fundamentals of Gerontology Five-week Online Course

Ad-hoc Reviewer

Personal Relationships
Computers in Human Behavior
American Behavioral Scientist
21st IAGG World Congress of Gerontology and Geriatrics

Professional Organization Member

American Society on Aging
National Communication Association
International Communication Association

Welcome Speaker

Michigan State University's Media & Information Studies Program New Student Orientation (2015)

Event Volunteer

University of Michigan Museum of Natural History Scientist Spotlight (2020)
University of Michigan MCCFAD Community Outreach (2020)
Trifecta-Sparrow/Michigan State University Center for Innovation and Research Kick-Off (2015)

Committee Member

Organizer TEDxRochester (2013-2014)
Selection Committee - Conference for Undergraduate Research in Communication Top Paper, Rochester Institute of Technology (2012)
Graduate Student Representative – Graduate Student Advisory Board, Rochester Institute of Technology (2011-2012)
Creativity Award Selection Committee: Rochester Institute of Technology College of Liberal Arts (2011)

PROFESSIONAL

2012 – 2014	Social Media Marketing Consultant , Self-employed, Rochester, NY
2008 – 2011	Production Planner , Harris RF Communications, Rochester, NY
Summer 2007	Production and Editorial Assistant , Incisive Media, New York, NY
2005 – 2007	Managing Editor , <i>The Lamron</i> , SUNY Geneseo, Geneseo, NY

2005 – 2006

Co-Op in Marketing Communications, Harris RF Communications,
Rochester, NY