For more information, please contact the Program Manager (vonwerde@purdue.edu)
Students will complete 15 hours of instruction and interactive demonstration while learning the steps in the publication process. They will learn human-automation interaction and ergonomics-related fundamentals and professional development that have broad application in management and design-related disciplines. Students who have English as a second language traditionally find that the methods introduced in this course help make successful academic writing more achievable. Students will select a topic of interest and perform data mining and bibliometric analysis for developing a systematic literature review, determining their topic of interest among "mobile computing," "transportation," or "manufacturing services and user experience." Course participants will apply various content analysis methods that follow a writing template as shown in the lessons. They will synthesize bibliometric methods and analyze metadata using data mining and content analysis and their own or campus computing resources. Their writing can result in a publication, as it has in a prior related course.

Data Mining & AI for Human-Automation Interaction
July 27-31

Contact: vonwerde@purdue.edu

Dr. Duffy has been a Fulbright Senior Scholar in The Russian Federation as awarded by the U.S. Department of State and Institute of International Education. He developed and taught related classes in the topic: Green Business, Innovation & Society at Bauman Moscow State Technical University in Moscow. He has also been a faculty member in the Department of Industrial Engineering and Engineering Management at The Hong Kong University of Science and Technology. His participation in Professional Societies include the “Fellow” award in the UK Ergonomics Society, the Chartered Institute of Ergonomics and Human Factors. Since 2007 he has been Program Chair for 11 International Conferences on Digital Human Modeling within Human Computer Interaction International. The upcoming conference will take place in Copenhagen, Denmark in July, 2020.