

Old Dominion University, Department of Psychology - FACULTY RESEARCH INTERESTS – Summer 2019

<p>Ivan K. Ash, Ph.D. iash@odu.edu Human Factors & Health</p>	<p>COGNITIVE PSYCHOLOGY. Dr. Ash's area of research is cognitive psychology. Specifically, he is interested in how people form mental representations of complex situations or concepts, and how the nature of these representations guide individuals' problem solving and decision making behaviors. Recent projects have included investigating the role representational change in creative problem solving, and looking at the effects of surprising information on judgment making biases. His other interests are in expertise, individual differences in cognitive abilities, implicit learning, strategies and heuristics, comprehension, and computational modeling.</p>
<p>Abby Braitman, Ph.D. abraitma@odu.edu & Clinical</p>	<p>HEALTH PSYCHOLOGY. Dr. Braitman's program of research focuses on the etiology of heavy drinking, including contextual predictors and social networks. In addition, her research examines techniques to strengthen and extend effects for harm reduction interventions for college students. She also has a strong emphasis on data cleaning and analysis.</p>
<p>Jing Chen, Ph.D. jlchen@odu.edu Human Factors</p>	<p>HUMAN FACTORS. Dr. Chen's research investigates the fundamental principles of human performance and decision-making, and applies these principles to real-world problems. Her team in the Human-Automation Collaboration (HAC) Lab has worked safety-critical systems such as semi-autonomous driving systems and phishing detection systems in the cyber space. The HAC Lab is always seeking highly motivated undergraduate research assistants. If you are interested in joining the HAC lab, please contact Dr. Chen.</p>
<p>Konstantin P. Cigularov, Ph.D. kcigular@odu.edu Industrial/Organizational</p>	<p>INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY & OCCUPATIONAL HEALTH PSYCHOLOGY. Dr. Cigularov's scholarly work reflects his general interest in optimizing individual and organizational performance, safety, and health through developing supportive organizational climates and leadership, as well as effective training programs and communications. His research examines the effects of organizational factors (e.g., climate, leadership, and training) and individual characteristics (e.g., motivation, self-efficacy) on employee safety and well-being. His research also focuses on measurement issues related to the assessment of safety climate, leadership, and performance in organizations.</p>
<p>Cassie Glenn, Ph.D. Clinical</p>	<p>CLINICAL PSYCHOLOGY studies the development, prediction, and prevention of suicidal and self-injurious behaviors in youth.</p>
<p>James M. Henson, Ph.D. jhenson@odu.edu Health</p>	<p>QUANTITATIVE PSYCHOLOGY. Dr. Henson's is a quantitative psychologist with both statistical and applied research interests. His quantitative research examines mixture detection in latent variable models. His applied interests involve the assessment of various personality constructs, such as sensation seeking, and their role in influencing health-risk behaviors in adolescents and young adults.</p>
<p>Kristin E. Heron, Ph.D. kheron@odu.edu Clinical</p>	<p>CLINICAL PSYCHOLOGY. Dr. Heron's research interests are broadly in clinical health psychology, with a focus on health behaviors including disordered eating, physical activity, physical appearance-related concerns, and a range of other health behaviors. Much of her work aims to understand the dynamic states and experiences in people's daily lives, and how this information can be used to inform theory, enhance our understanding of behavior and disease processes, and improve interventions. Her research frequently uses Ecological Momentary Assessment (EMA) and Ecological Momentary Intervention (EMI) techniques to both assess and provide treatments to people in their everyday lives. These studies typically rely on mobile technology (e.g., smartphones, wearable sensors) to facilitate intensive, real-time data collection and intervention delivery.</p>
<p>Matt Judah, Ph.D. mjudah@odu.edu Clinical</p>	<p>CLINICAL PSYCHOLOGY. Dr. Judah's research focuses on abnormal thought processes in anxiety disorders and depression. These processes include cognitive biases, reduced attentional control, and repetitive negative thought (e.g., worry). Dr. Judah uses psychophysiological measures, especially event-related brain potentials (ERPs), to investigate the role of these cognitive processes in risk and maintenance for psychopathology. For example, his research has shown that interoceptive threat can reduce the efficiency of attentional control, alter attention to socially threatening faces, and influence error-monitoring in those with high levels of social anxiety. The goal of this research is to refine theories of emotional disorders and their treatment.</p>
<p>Michelle L. Kelley, Ph.D. mkelley@odu.edu Health</p>	<p>DEVELOPMENTAL PSYCHOLOGY & MILITARY PSYCHOLOGY. Dr. Kelley's recent research examines the etiology of mental health and substance abuse concerns among military members and veterans. Current research projects explore the relationships between moral injury, PTSD, substance abuse, and mindfulness. In addition, Dr. Kelley is in collaboration with Dr. Matt Judah on a project examining the psychophysiology of moral injury using event-related brain potential. Dr. Kelley's research has also evaluated the relationship between parental alcoholism or other substance abuse and family and child outcomes. In addition, her work has focused on the impact of Navy deployment in traditional and non-traditional military families, work-family stress, and father influences on children's development. Finally, Dr. Kelley examines the relationship between substance use and sexual violence among young bisexual women. Graduate Program Affiliation: Clinical Psychology & Applied Psychological Sciences</p>
<p>Cathy Lau-Barraco, Ph.D. cbarraco@odu.edu Clinical</p>	<p>CLINICAL PSYCHOLOGY. Dr. Lau-Barraco's program of research focuses on psychosocial determinants of and intervention for problematic alcohol and other substance use. Specifically, her research concentrates on the development and implementation of brief interventions to reduce alcohol use and associated negative consequences among emerging adults. She is particularly interested in studying the individual-level (e.g., cognitions, affective state, gender), social (e.g., social network), and environmental (e.g., context) determinants of substance use.</p>
<p>Robin J. Lewis, Ph.D. rlewis@odu.edu Clinical</p>	<p>CLINICAL PSYCHOLOGY. Dr. Lewis is the ODU Graduate Program Director for the Virginia Consortium Ph.D., Program in Clinical Psychology. Her primary area of research is sexual minority (gay, lesbian, bisexual) health and health disparities. She has specific interests in minority stress, intimate partner violence, and substance use.</p>
<p>Debra A. Major, Ph.D. dmajor@odu.edu Industrial/Organizational</p>	<p>ORGANIZATIONAL PSYCHOLOGY. Dr. Major studies a variety of career development issues. Her research on the career barriers faced by women and minorities in science and technology has been supported by the National Science Foundation for over a decade. Her most recent work in this area focuses on how students majoring in science and engineering come to identify with their career fields by capitalizing on opportunities to engage in professional development activities. She also studies the interface between work and family life with emphasis on how effective relationships with work supervisors and the negotiation of idiosyncratic deals or "I-Deals" diminish work-family conflict. <u>Graduate Program Affiliation: Industrial/Organizational</u></p>

Alan Meca, Ph.D. ameca@odu.edu Health	DEVELOPMENTAL PSYCHOLOGY. Dr. Alan Meca's program of research focuses on identity development and acculturation in ethnic/racial minority adolescence and emerging adulthood, as well as their respective impacts on psychosocial functioning (e.g., well-being, internalizing and externalizing symptoms, etc.) and health risk behaviors (e.g., alcohol use, risk-sex taking behavior, etc.). His most recent research has focused on the interplay between personal and cultural identity and the role that context of reception and cultural stressors have on youth outcomes.
Miguel Padilla, Ph.D. mapadill@odu.edu Health	APPLIED PSYCHOLOGICAL SCIENCES. Dr. Padilla is a quantitative psychologist and statistician with applied research interest. His research interests are in missing data methodology, linear models with measurement error, linear mixed models, statistical computing, psychometrics, and the application of statistics. His applied research interests range from educational psychology, program evaluation, faculty work motivation and well-being, to social support and substance use.
James F. Paulson, Ph.D. jpaulson@odu.edu Clinical	CLINICAL HEALTH PSYCHOLOGY. Dr. Paulson's research focuses on risk for depression and anxiety in expecting couples and new families and how this distress affects relationship functioning, co-parenting, and child development in a family's early years. There is an emphasis on mediated and reciprocal pathways within the family system, such as how depression may affect child dysregulation via disturbance in the parental relationship and co-parenting. In addition, he does research in related areas of perinatal psychology, such as distress and preterm birth and cognitive developmental consequences of birth outcomes.
Tony Perez, Ph.D. aperez@odu.edu	EDUCATIONAL PSYCHOLOGY. Dr. Perez's area of research is educational psychology. Specifically, he is interested in how students' feelings of competence and valuing of academic subjects guides their decisions about their major/future careers and affects their academic achievement. He is also interested in how different motivational beliefs (e.g., feelings of competence and value) are shaped by the academic context and development of identity. Finally, Dr. Perez develops interventions designed to boost students' motivation in different academic domains, especially science, technology, engineering, and math (STEM) domains. Recent projects have included investigating the development of motivational beliefs in science and how the development of such beliefs is impacted by science enrichment experiences, particularly for underrepresented groups in STEM. A second project is an examination of combined motivational and cognitive interventions on biology achievement and STEM persistence.
Rachel R. Phillips, Ph.D. rrphilli@odu.edu Human Factors Visiting Professor	Human Factors. Dr. Phillips's research focuses on the influence of individual characteristics, system reliability, and affect (i.e. mood or emotions) on decision making with automated decision support systems.
Mark W. Scerbo, Ph.D. mscerbo@odu.edu Human Factors	HUMAN FACTORS. Dr. Scerbo studies human factors issues related to the behavioral and physiological factors that affect human interaction with simulation, automated systems, and adaptive interfaces. Dr. Scerbo is currently researching transfer of training issues for medical simulators, contextual factors that impact surgical performance using virtual environments, and stress and workload factors that contribute to medical errors.
Jeremiah Still, Ph.D. jstill@odu.edu Human Factors & Health	HUMAN FACTORS. Dr. Still is the principle investigator of the Psychology of Design (PoD) laboratory www.JeremiahStill.info . If you love Cognitive Psychology and if you are interested in applied visual attention, cybersecurity, intuitive design, or user-centered design this is the lab for you. We are always seeking bright, hardworking, and detail orientated research assistants. Join us and start developing into an outstanding researcher within the field of Human Factors in Computing Systems (a.k.a., Human-Computer Interaction). If you want to learn more about our lab, please visit our digital residence at www.PsychofDesign.com .
Mary Still, Ph.D. mstill@odu.edu Human Factors & Health	HUMAN FACTORS. Dr. M. Still investigates basic cognitive processes such as reading, attention, priming, and recognition, in applied settings. Research projects in her lab are varied. Recent work has explored how people interpret text-message abbreviations and other ambiguous messages, how working memory systems/resources interact, and how priming and previous knowledge influences web-searches. Some of these projects will continue along with at least one new project examining bicyclists' perceptions of safety and convenience along with cyclist-vehicle interactions. Check out my webpage – www.marystill.info – for details about previous projects and contact me if you are interested in joining the lab!
Xiaohong (Violet) Xu, Ph.D. x3xu@odu.edu Industrial/Organizational	INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY. Dr. Xu focuses three major areas: 1) the dynamic nature of job attitudes, as well as their antecedents (e.g., individual differences and organizational factors) and consequences (e.g., turnover), 2) multilevel phenomena, top-down effects and bottom-up phenomena (e.g., how social influence processes or the features of social network ties inhibit or promote the emergence of group-level or organization-level constructs, such as organizational climate, and 3) measurement and psychometrics. Most of my research projects involve advanced statistical techniques (e.g., longitudinal data analysis, mixture modeling, and multilevel modeling).
Yusuke Yamani, Ph.D. yyamani@odu.edu Human Factors	HUMAN FACTORS. Dr. Yamani's research explores human attention, perception, and cognition. Using behavioral and oculomotor measures, his work aims to answer three main questions: 1) How does visual attention find and process information from complex visual scenes? 2) How does attention influence human performance in real-world tasks? 3) How do technology and training programs improve performance in applied environments? His applied interests include display design, training of novice and active older drivers, and the design of health-care information technology and automation.
J. M. Younkin, MS jyounkin@odu.edu	UNDERGRADUATE PROGRAM. Ms. Younkin is the Chief Departmental Advisor for the Psychology Department. Her interests lie in the portrayal of women in advertising, violence against women, and forensic psychology.