VOLUME 3 // NUMBER 5

Don't forget to submit your Spotlight proposal!

You are invited to <u>submit your work</u> for the 2023 NKU Spotlight on Scholarship by Thursday, June 15. This is a great way to share your research and creative work with campus. Let's share the vibrant work you have been doing and continue building our community around research, creativity, and scholarship. The submission includes a series of questions to assist the review panel in understanding your work, including: title of your project, author contact information, an abstract (300 words or less), 3-5 key words associated with the project as well as upload options for sound files, images, and video clips. Scholarship from all disciplines welcome!

Contact <u>Shauna Reilly</u> with any questions.

DONELLE DREESE

Professor – English 3/7/2023

Dr. Dreese publishes articles about natural burial in a column for Psychology Today

Dr. Dreese writes essays and public scholarship essays and public scholarship on ecologically sustainable deathcare for the Psychology Today website, which receives over 44 million visits per month. The column entitled The Green Goodbye: Being Death Positive includes the articles "Maranasati: Where Meditation and Green Burial Intersect," "The Chemistry of Cremated Remains," "It's Not Easy to Become a Tree," and "Remembering Love: Grief and Green Burial in HBO's 'Six Feet Under.'" In these articles, Dr. Dreese draws from her experience as Vice President of Heritage Acres Memorial Sanctuary, a natural burial preserve near Cincinnati. This outreach work involves engagement in all aspects of running a natural burial nonprofit organization, which includes working closely with pre-need and at-need families, conducting educational tours, interviewing and advising Land Stewards, making decisions about business and burial policies as well as sustainable land management procedures, preparing gravesites, leading volunteers, record-keeping, designing brochures and web content, social media management, and making sales.

* Dreese, Donelle. (2022-2023). The Green Goodbye | Psychology Today



SIMA FORTSCH

Assistant Professor – Management 1/30/2023

Dr. Fortsch publishes on mitigating the risk of blood shortage

The objective of this study is to mitigate the risks of a blood shortage. We designed two simulation studies to identify the superior methodology that can decrease the impact of a massive national blood donor shortage. Our simulation designs are triggered by the Covid-19 pandemic. The first simulation examines the company's choice of strategic partners (regionally and nationally), and the second inspects creating a nationally coordinated effort to organize a pooled blood inventory that would require blood centers to contribute a small percentage of their monthly donations to become a member. Findings: The results indicate that both methods can significantly manage the risk of stockouts regardless of the availability of safety inventory in a blood center; however, although more effective, creating a national blood pool causes shortages to be recognized earlier than desired. We contribute to the literature by focusing on the potential risk of blood shortage because it directly impacts healthcare, hospitals' costs, and their ability to provide care. Though a handful of researchers have targeted the study of the blood supply chain, there is not any article that is similar to our study.

* Fortsch, S., Khapalova, E., Carden, R., & Choi, J. H. (2023). Mitigating the risk of blood shortage. Journal of Blood Service Economics, (in press).

YAW A. FRIMPONG-MANSOH

Professor - Sociology, Anthropology, Philosophy 3/21/2023

Dr. Frimpong-Mansoh publishes an article commentary called "Intercultural Global Bioethics"

Over the last two decades or so, the need to decolonize bioethics and make it inclusive, equitable and accommodative of voices from the traditionally marginalized global South has received increasing attention in academic scholarship. The recent publication by Pratt and de Vries offers a very comprehensive critical analysis and thoughtful overview of the issue, using global health ethics as its starting point. Frimpong-Mansoh fundamentally agrees with their characterization of the issue as an 'epistemic justice' problem. He further find their recommended conceptual and practical ideas for measuring epistemic injustice and ethical responsibilities to promote epistemic justice very thoughtful and insightful. However, he finds Pratt and de Vries' responses to possible objections to their arguments a bit hasty and unclear, especially the idea that 'greater epistemic justice calls for global health ethics to advance a transcultural framework of ethical values and principles' (p. 7). They look ambiguous on their position on the fundamental global bioethical question regarding the possibility of an intercultural ethical framework. Frimpong-Mansoh thinks the question of whether there are global ethical values and principles that are commonly shared among human beings in the global world is a fair and legitimate issue that deserves deep attention and a persuasive answer by those who call for more inclusive and equitable global bioethics. Frimpong-Mansoh attempts to flesh out this issue in a bit more detail to further enrich the discussion.

* Frimpong-Mansoh Y. Intercultural global bioethics. Journal of Medical Ethics. Published Online First: 21 March 2023. doi: 10.1136/jme-2023-109090



DIRK GRUPE

Associate Professor and Chair - Physics, Geology, and Engineering Technology 2/23/2023

Dr. Grupe and colleagues publish paper on the mass estimate of a super-massive binary black hole candidate

The project MOMO (Multiwavelength Observations and Modelling of OJ 287) was set up to test predictions of binary supermassive black hole (SMBH) scenarios and to understand disk-jet physics of the blazar OJ 287. After a correction, the processing binary (PB) SMBH model predicted the next main outburst of OJ 287 in 2022 October, making the outburst well observable and the model testable. We have densely covered this period in our ongoing multi-frequency radio, optical, UV, and X-ray monitoring. The predicted outburst was not detected. Instead, OJ 287 was at low optical-UV emission levels, declining further into November. The predicted thermal bremsstrahlung spectrum was not observed either, at any epoch. Further, applying scaling relations, we estimate a SMBH mass of OJ 287 of 100 Million solar masses. The latest in a sequence of deep low-states that recur every 1-2 yrs. is used to determine an upper limit on the Eddington ratio and on the accretion-disk luminosity. This limit is at least a factor of 10 lower than required by the PB model with its massive primary SMBH of more than 10 Billion solar masses. All these results favor alternative binary SMBH models of OJ 287 that neither require strong orbital precession nor a very large mass of the primary SMBH.

* S Komossa, D Grupe, A Kraus, M A Gurwell, Z Haiman, F K Liu, A Tchekhovskoy, L C Gallo, M Berton, R Blandford, J L Gómez, A G Gonzalez Monthly Notices of the Royal Astronomical Society: Letters, Volume 522, Issue 1, June 2023, Pages L84–L88

DIRK GRUPE

Associate Professor and Chair - Physics, Geology, and Engineering Technology 2/23/2023

<u>Dr. Dirk Grupe coauthors a publications on radio observations of the Blazar OJ 287 that confirms the lower</u> black hole

Based on our dedicated Swift monitoring program, MOMO, OJ 287 is one of the best-monitored blazars in the X-ray-UV-optical regime. Here, we report results from our accompanying, dense, multifrequency (1.4-44 GHz) radio monitoring of OJ 287 between 2015 and 2022 covering a broad range of activity states. Fermi y-ray observations were added. We characterize the radio flux and spectral variability in detail, including discrete correlation function and other variability analyses, and discuss its connection with the multiwavelength emission. Deep fades of the radio and optical-UV fluxes are found to occur every 1-2 yr. Further, it is shown that a precursor flare of thermal Bremsstrahlung predicted by one of the binary supermassive black hole (SMBH) models of OJ 287 was absent. We then focus on the nature of the extraordinary, nonthermal, 2016/2017 outburst that we initially discovered with Swift. We interpret it as the latest of the famous optical double-peaked outbursts of OJ 287, favoring binary scenarios that do not require a highly processing secondary SMBH.

* Komossa, S., Krauss, A., Grupe, D., et al., (2023), MOMO. VI. Multifrequency Radio Variability of the Blazar OJ 287 from 2015 to 2022, Absence of Predicted 2021 Pecursor-flare Activity, and a New Binary Interpretation of the 2016/2017 Outburst, The Astrophysical Journal, 944, 177.



GREG HATCHETT, DANA RIPLEY, and KATHLEEN FUEGEN

Professor, Assistant Professor and Associate Professor - Counseling & Psychological Science 4/19/2022

Drs. Hatchett, Ripley, and Fuegen publish article

The purpose of this study was to investigate the worktime distributions, occupational satisfaction, and scholarly productivity of associate and full professors of counselor education (N = 230). Worktime distributions varied based on academic rank and the presence of a doctoral degree program in the academic unit. Occupational satisfaction was lower among associate professors, faculty caring for dependent children, and faculty with greater mismatch between typical and preferred worktime distributions. Among associate professors, occupational satisfaction was also associated with having a mentor. Years of experience, teaching load, and a doctoral program in the academic unit predicted scholarly productivity, whereas academic rank, binary gender, marital status, and the presence of any dependent children did not make unique contributions to this outcome.

* Hatchett, G. T., Ripley, D., & Fuegen, K. (2022). Promotion process from associate to full professor in counselor education. Counselor Education and Supervision. Advance online publication. doi: 10.1002/ceas.12242

SUK-HEE KIM

Associate Professor - School of Social Work 3/17/2023

<u>Dr. Suk-hee Kim publishes a chapter, Resilience in Diverse and Under-Represented Communities, in the Encyclopedia of Mental Health</u>

When faced with adversity, many people have demonstrated a capacity to not only spring back, but also to grow stronger. Although personal traits are important in this process, a person's resilience is influenced by complex interactions between different components of his or her environment such as cultural expectations, and structural factors that impact opportunities available to them in the host society. This chapter examines the resilient patterns of three ethnic and racial communities: African, Asian, and Latino American communities. While there are common themes among the communities, unique differences are also identified. The common themes include psychological stresses from social marginalization and social collectivism that has been used to maintain the stability of the community. However, the process and outcome of resilient behaviors are differently impacted by their unique history of relocation or immigration, the situations in their original and new countries, and their position in the new society.

* Yun, K., & Kim, S. (in press). Resilience in diverse and under-represented communities. In H.S. Friedman & C.M. Markey (Eds.), Encyclopedia of Mental Health, 3rd edition. Elsevier.



DOUG KRULL

Professor - Psychological Science

Dr. Krull publishes an article on religiosity and guns

Previous research suggests that more religious people tend to own more guns and are less supportive of some types of gun control. The current work explored these relationships and investigated the relationship between Christian religiosity and views toward using guns for self-defense or to protect others. Consistent with previous research, more religious people tended to own more guns and were more in favor of citizens being able to own guns. However, more religious people were also less likely to think that it is morally acceptable to kill in self-defense or to protect others and thought they would be less likely to shoot a gunman in an active shooter scenario.

* Krull, D. S. (2022). Faith and My Cold Dead Hands: An Investigation of Religiosity and Guns. Journal of Psychology and Christianity, 41, 302-310.

ZEEL MAHESHWARI

Assistant Professor - Physics, Geology and Engineering Technology 7/23/23

<u>Dr. Maheshwari publishes a review paper on wind turbine emulators in Renewable and Sustainable Energy</u> Reviews journal

Rapidly increasing demand for electricity, rising costs of fossil fuels, and growing environmental concerns are driving research into alternative energy sources. Wind energy has experienced significant growth in recent years. Extensive research has been conducted to efficiently generate electricity from wind energy. However, due to limitations such as space and maintenance, it is very difficult and unsafe to install wind turbines for research and educational purposes. A lab-scale wind turbine emulator has many advantages, including independence from prevailing wind conditions, a greater degree of control, and freedom from space constraints. In this article, authors have reviewed and analyzed over 140 technical articles related to wind turbine emulators. It provides comprehensive information on prime movers, generators, and controls used in wind turbine emulator (WTE) research. Additionally, this paper discusses the strengths and weaknesses of various WTE prime movers, generators, and control algorithms used in the literature review. This article will serve as a good reference for the researchers to choose the right technique for WTE according to their needs.

* Maheshwari, Z., Kengne, K. & Bhat, O. (2023) A comprehensive review on wind turbine emulators, Renewable and Sustainable Energy Reviews, 180, 113297, ISSN 1364-0321



BANWAR MITTAL

Professor - Marketing, Sports Business, and Construction Management 12/15/22

<u>Dr. Ban Mittal publishes a paper in a leading macro-marketing journal with strategic guidelines for businesses to respond to post-Covid consumers</u>

The pandemic caused many of us to rethink our lives. Using terror management theory (TMT), this conceptual essay identifies the simultaneous emergence of two mindsets, a cautious mindset, stemming from the preservation motive, and a "virtuous" mindset, stemming from an enrichment motive—intentionality to live a more fulfilling life. These two mindsets in turn produce five life perspectives—life themes for everyday living and achieving long-term life goals. This study reviews evidence of these five life perspectives in published reports of consumers' thoughts during the pandemic. In turn, these emergent life perspectives and consumer motives present new opportunities for marketers to advance consumer well-being and positive social change as developed in this paper. Weaving a nexus of consumers' emergent life perspectives, consumption motives, and marketer opportunities, our conceptual framework suggests seven research questions for marketing scholars.

* B Mittal, AG Woodside (2022), Post-COVID-19 Consumers' Cautious and Virtuous Mindsets: New Marketing Opportunities for Positive Social Change, Journal of Macromarketing 42 (4), 533-553.

BANWAR MITTAL

Professor - Marketing, Sports Business, and Construction Management 4/18/2023

Dr. Mittal publishes a paper on a new model for understanding why online shoppers abandon their carts

About two-thirds of all online shopping carts get abandoned, costing e-tailers substantial lost sales. Over the last two decades, consumer researchers have investigated the consumer psychology behind this consumer act. However, the guiding research framework for this entire body of research is conceptually flawed. To remedy this flaw, the present paper formulates a new construal of online shopping cart abandonment (OSCA), differentiating its three forms anchored in the three specific stages of the customer's journey: exploration, pre-choice, and post-choice. The drivers of OSCA are then also pinned down to the stage-specific OSCA forms. The proposed framework suggests the need to reframe all of the past research hypotheses, for which purpose 15 propositions are advanced. Because the three stage-specific OSCA forms have their own individual drivers and, correspondingly, their own remedial managerial actions, future research findings informed by the proposed framework will be theoretically more valid and therefore more valuable as an action guide for e-tailers.

* B. Mittal (2023). The psychology of online shopping cart abandonment: A scrutiny of the current research framework and building an improved model of the online shopper journey. Electronic Commerce Research, 231-249.



TRUNG NGUYEN

Assistant Professor – Accounting, Economics and Finance 1/15/2023

Dr. Nguyen and his co-authors publish a scholarly article in the Review of Business journal

Extant literature suggests that female leaders tend to exhibit greater risk aversion in their decision-making process than male leaders. However, more empirical evidence is needed to shed light on the potential impact of executive genders on stock price crash. This study explores whether female chief financial officers (CFOs) are less likely to withhold negative information from investors, which mitigates stock price crash risk. To test the central prediction, we perform multivariate regression analyses on a sample of 14,846 firm-year observations over the 1994 through 2015 period. The sample has 1,108 unique firms, 286 unique female CFOs, and 3,377 unique male CFOs. We also employ the propensity score matching approach to address endogeneity, and the textual analysis to investigate the risk disclosure quality of the 10-K filings. The empirical evidence shows that female CFOs are less likely to hoard bad news and they exhibit a higher level of transparency, leading to lower future stock price crash risk. This research highlights the significance of the gender of CFOs in corporate financial reporting. The evidence also emphasizes the essential role of the CFOs, besides that of the CEOs, in corporate decision-making processes. Furthermore, this study suggests a useful implication to investors who want to incorporate crash risk in their portfolio and risk management decisions.

* Hasan, I., Nguyen, T., & Park, J. C. (2023). Female CFOs and Stock Price Crash Risk. Review of Business, 43(1), 63-90.



BRIDGET NICHOLS

Professor - Marketing, Sports Business, and Construction Management 1/18/2023

Marketing faculty find younger consumers and women have the most positive feelings towards sustainable consumption

As firms increasingly focus on corporate sustainability initiatives and offer more sustainability-related products, there is a need to continually assess consumer attitudes towards and involvement in sustainable consumption. Based on an online sample of 1,250 U.S. consumers, this present research utilizes a cross-sectional design to examine whether generational cohort and gender help explain variations in how consumers react to the notion of sustainability. The findings suggest that attitudes towards sustainability and the degree to which consumers feel sustainability is important is more positive for younger consumers and women. The Baby Boomer generation is less interested in sustainable consumption and less likely to be persuaded by sustainability claims. For marketers promoting sustainability-related products, this data should help them better understand segments of the U.S. market and develop more successful promotional initiatives. Knowing the nuances of how generational cohorts think about sustainability and how they may consider it when making purchase decisions should motivate marketers to utilize these differences when creating their marketing mix. Though some marketers are moving away from gender-based promotional tactics, the findings also suggest that gender segmentation could still be useful when it comes to sustainability-related products.

* Nichols, B. S., & Holt, J. A. W. (2023). A comparison of sustainability attitudes and intentions across generations and gender: a perspective from U.S. consumers". Management Letters/Cuadernos de Gestión, 23(1), 51-62.

JACKI PERRMANN-GRAHAM

Assistant Professor - Department of Management 2/7/2023

Dr. Perrmann-Graham publishes business case on ethical decision making.

Jeff works for Sector Project Management and is a US Military Reservist. Over the past year, he has experienced several challenges with his work and boss, Morgan, which have led him to an ethical dilemma. Jeff has recently applied to and been accepted for an active duty military tour that will require him to leave the company for an extended period. Based on his interactions with Morgan and experiences in the company, he must decide how much and how to let his leadership know about the active duty tour. This case explores several root causes of (un)ethical behavior and discusses an often-forgotten demographic in the workforce, military veterans in a real, anonymized organizational setting. A model for ethical decision making is provided to encourage students to think about all the factors involved as well as multiple order effects.

* Davidson, Q., Peat, D., Perrmann-Graham, J., Christensen-Salem, A., & Chauradia, A. (in press). Jeff Brady and Sector Project Management: Ethical Decision Making and Military Service. Sage Business Cases



JACKI PERRMANN-GRAHAM

Assistant Professor - Department of Management 9/15/2022

<u>Dr. Perrmann-Graham publishes work on simultaneous stigmatization and aggrandizement of military</u> veterans at work

Military veterans often transition into the civilian workforce after serving in a nation's armed forces. The process of integrating this unique class into organizations is directly affected by the social exchanges and interactions in the organization. Utilizing an in-depth interviews-based qualitative study of 40 veterans across 12 different organizations, and integrating social identity theory, we use template analysis to identify a paradox existent in social exchanges with other organizational members where veterans are simultaneously stigmatized and socially aggrandized. These paradoxical experiences interact with veterans' self-conceptualization and social identities to reinforce expectations, cause culture shock and eventual turnover. We present a model of this tension, contributing to literatures on veterans in the workforce, paradox, and social identity theory as well as offering HR perspectives on this phenomenon.

* Peat, D. M., & Perrmann-Graham, J. (2022). Where do I belong? Conflicted identities and the paradox of simultaneous stigma and social aggrandizement of military veterans in organizations. The International Journal of Human Resource Management, 1-29.

MICHAEL SIMONTON

Lecturer - Sociology, Anthropology, and Philosophy 8/1/2022

Michael Simonton publishes 5th book as a NKU faculty member, Celtic Cultures: Ancient and Modern

The purpose of Celtic Cultures: Ancient & Modern is to serve as an introduction to Celtic Studies in Anthropology, beginning with ancient Celtic cultures in Europe, which rely on classical histories or archeology for their descriptions, followed by an ethnographic overview of modern Celtic cultures in Europe, relying mainly on anthropological descriptions. The book concludes with a look at modern Celtic communities in the Caribbean and Argentina.

* Simonton, M., (2022). Celtic Cultures: Ancient and Modern. Dubuque, IA: Kendall-Hunt Publishers.



DAVID TATAW

Professor - Allied Health 4/10/2023

Dr. David Tataw and colleague publish an article in the Journal of Interprofessional Education and Practice

Purpose: This paper focuses on leadership in interprofessional healthcare practice in general; and the readiness of both healthcare management trainees in healthcare management programs and certified human resource management professionals to facilitate and/or lead interprofessional healthcare practice in particular. The analysis covers the role human resource (HR) professionals should play in interprofessional healthcare practice (IPHP) and the competencies that both healthcare management trainees and human resource managers should possess in order to facilitate the transformation of healthcare organizations from professional to interprofessional practice. Authors also assess the readiness of healthcare management education trainees and certified human resource management professionals to lead IPHP. Design/methodology/approach: The study adopted a cross-sectional design to guide the documentation and assessment of participants' responses using a modified delphi technique. Inductive and deductive methods in combination with open, axial, and selective coding were utilized to determine and analyze emerging consensus from the panel of experts. Findings: The findings underscore the deficit in interprofessional healthcare practice leadership readiness among healthcare management trainees and human resource professionals. Authors make specific recommendations on IPHP leadership for healthcare management training and human resource professional preparation.

* Tataw, D. B., & Stokes, E. W. (2023). Leadership in interprofessional healthcare practice (IPHP): Readiness, roles, and competencies for healthcare managers and human resource professionals. Journal of Interprofessional Education & Practice, 32. Published online April 10, 2023.



DAVID TATAW

Professor - Allied Health 4/1/2023

Dr. David Tataw's article accepted for publication in the Journal of Research in Innovative Teaching and Learning

Purpose: To use quantitative and qualitative methods in assessing performance and process outcomes in a Team Lecture Hybrid (TLH) instructional design applied in a public affairs course.

Methodology: Within a non-experimental prospective design, individual and team outcomes were assessed as follows: survey of student perceptions of learning outcomes; comparison of individual and group scores on in-class case analyses using paired t-tests; external reviewers' observations of traditional lecture versus TLH activities; and analysis of students' reflections on team dynamics using a team process reflection tool adapted from four team development stages. Findings: The following student learning outcomes results were observed: increased use of critical thinking; higher student interaction with other students and the instructor; higher student engagement in initiating or contributing to content or other learning activities; higher student enthusiasm; increased use of problem-solving skills; improved performance evidenced by quality of individual versus group products; evidence suggesting improvements in student learning outcomes when active learners and an active instructor interact in a learning environment. Instructor practice tips were provided in the following areas: use of assessment methods; student engagement as an active instructor; motivational tips for classes with students from a variety of disciplines; and individual team member accountability

* Tataw, D. B. (In Press). Holistic evaluation of a Team-Lecture Hybrid (TLH) instructional design applied in a public affairs course. Journal of Research in Innovative Teaching and Learning. JRIT-01-2023-0007. (Accepted 04-01-2023)

DAVID TATAW

Professor - Allied Health 3/17/2023

Dr David Tataw's article on the scholarship of teaching and learning is accepted in Journal of Excellence in College Teaching

This paper reports on a quantitative and qualitative analysis of self- assessment and group peer assessments in a Team-Lecture Hybrid (TLH) instructional strategy implemented in six public affairs and health administration courses. Results show students performing better in TLH learning environments when compared to traditional learning environments on six student outcomes. Also, regression analysis revealed that two intermediate student outcomes were positively associated with better use of course subject matter to provide answers to real life problems. Recommendations for both students and instructors in TLH environments are discussed.

* Tataw, D. B.(In Press). Assessing student outcomes in a Team-Lecture Hybrid (TLH) instructional strategy using a post-only survey. Journal of Excellence in College Teaching. Accepted 03-17-2023.



Other Research News

BANWAR MITTAL

Professor - Marketing, Sports Business, and Construction Management 4/14/2023

In this inaugural keynote address at this international conference, Dr. Mittal presented six trends in consumer research. Two of these related to digital presentation of marketspaces and the opportunities and challenges this presents for consumers. Two are classical topics, but still in need of new research: identifying consumer decision making styles and a componential view of self-concept. The last two trends called for advancing two interrelated social causes: Consumption's damaging role (a) for our planet and (b) for our bodies. He highlighted the urgency of these topics to advance consumer well-being

MONICA WAKEFIELD

Associate Professor - Sociology, Anthropology, Philosophy 2/17/2023

Dr. Wakefield awarded a research grant from the Wild Animal Initiative

Dr. Wakefield and her collaborator, Dr. Corinna Most of Iowa State University, were awarded a research grant of \$30k from the Wild Animal Initiative to support their research on the health and welfare of wild olive baboons at the Uaso Ngiro Baboon Project (UNBP) in Laikipia, Kenya. Dr. Wakefield and Dr. Most recently assumed the position of co-directors of the UNBP.

Do you have research, scholarship or creative activity to share?

Use this <u>link</u> to submit for the next edition.

The newsletter will be going on hiatus until Fall 2023.

Prepared by:

University Research Council and

Office of the Vice Provost for Graduate Education, Research and Outreach

