



WAYNE STATE UNIVERSITY

ANNUAL MEMBERSHIP
BANQUET

OCTOBER 12, 2022



WAYNE STATE UNIVERSITY

Appointment to the Academy of Scholars is the highest recognition bestowed upon Wayne State University faculty by their fellow colleagues.

Members of the Academy are selected from the most outstanding and widely recognized faculty members at Wayne State University.

AGENDA



5:30 p.m. Reception Begins
(Bar remains open through dinner)

7 p.m. Dinner

8 p.m. Dessert and Presentations

Welcome

Provost Address

AOS Business

Induction of New members

Junior Faculty Awards

Recognition of Past President

MARK LUBORSKY



Mark Luborsky (Ph.D. University of Rochester, 1985) is Professor of Gerontology, Institute of Gerontology, Professor of Anthropology, and Co-Director, SWAN Social Work and Anthropology doctoral program. He was Senior Researcher at the Philadelphia Polisher Research Institute, joined WSU (1997) as Director of Research for the Occupational Therapy Department. In 2000 he joined the IOG and the Department of Anthropology.

Luborsky seeks answers to the puzzle: why do some organizations and individuals function well in the face of hardships due to life or health circumstances, yet others struggle unendingly? One ambition is to refine a life course biographical framework illuminating the contexts, processes, and outcomes of life and health transitions. His basic, multidisciplinary, and translational research using large-scale and case-based qualitative, mixed methods, and population-based studies, is recognized nationally and internationally. His publications on sampling and analysis are highly cited. He applied the findings to add new measures to national longitudinal surveys. Fascination with narratives led to insights about their structure and consequences helping him devise social innovations in person-centered care for frail older persons. With collaborators, he developed the first effective RCT intervention to reduce hospital worksite violence through a culture of safety.

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Research topics include: disease (polio, HIV, COVID19), disability (spinal cord injury, mobility loss), mental health (depression, grief), adult development (generativity, retirement, downsizing). Studies of exposure to toxicants (PCBs, mercury) among disadvantaged urban Detroit anglers identified the intersections of cultural, biological, and behavioral exposures. Promoting science literacy, he co-curated the exhibit "Follow the Lines: Environmental Legacy, Health & Fishing the Detroit River." Studies were supported by NIH agencies, NSF, USAID, foundations, and governments of Sweden, Rwanda, China, Taiwan, and Thailand.

He is among faculty of the Johns Hopkins/Harvard University Mixed Methods Research Training for Health Sciences program. He was formerly on the Methods & Measures Core of the NIH/Michigan Center for Urban African American Aging Research minority faculty training program, and the University of Pennsylvania's NIMH Advanced Center for Intervention Research. He served on the NIH/NIAMS Data Safety and Monitoring Board for a multi-site surgical trial and as Editor of Medical Anthropology Quarterly: International Journal for Health Analyses.

Luborsky received the WSU President's Exceptional Service Award, Distinguished Graduate Faculty Award, and Outstanding Graduate Faculty Mentor Award. For international scientific leadership, he was made Foreign Professor, Karolinska Institutet Medical School, Sweden. His service also includes several NIH grant review panels and Executive Leadership roles in professional societies.

LJILJANA PROGOVAC



From my PhD dissertation (University of Southern California, Los Angeles, 1988) to this day, my specialization and preoccupation has been syntax: theoretical syntax; comparative syntax; Slavic syntax; evolutionary syntax.

I have published 4 books on these topics. The two latest books reflect my more recent research interests in the evolution of syntax/language: *Evolutionary Syntax* (OUP, 2015), and *A Critical*

Introduction to Language Evolution (Springer Expert Briefs, 2019). My previous research is reflected in: *Negative and Positive Polarity* (1994, CUP), and *A Syntax of Serbian* (Slavica, 2005). My work also appeared in 85 refereed articles, including 35 journal articles, and was presented at 120 venues, of which 27 were plenary or sponsored, many of them international.

More recently, based on theoretical syntax (Minimalist Program), I have reconstructed, in very precise terms, the earliest stage of grammar in evolution, by reverse-engineering the grammatical hierarchy postulated in this framework.

This reconstructed proto-grammar helps identify a variety of approximations (“living fossils”) of such grammars in present-day languages. By collecting hundreds of such proxies in the form of verb-noun compounds in different languages, I have

found that they specialize for insult/verbal aggression. This was a surprising and novel finding which not only opened up various possibilities for testing (e.g. testing the processing of these compounds using fMRI experiments), but also for crossfertilizing this linguistics-based approach with the biological theories, such as the hypothesis of human self-domestication, whose main ingredient is the reduction of (reactive) aggression, in this case, physical aggression. It was the emergence of proto-grammars that provided an adaptive way to replace physical aggression with verbal aggression, and cognitive contest more generally. Both interdisciplinary tracks were made possible by the specific linguistic data and detail revealed by my syntactic reconstruction.

In joint work with Dr. Antonio Benítez-Burraco, we have proposed that (i) the taming of physical aggression, associated with self-domestication, (ii) the enhancement of cross-modality, associated with metaphoricity, and (iii) the emergence of proto-grammars (especially suitable for verbal aggression), co-evolved, tied together by a common evolutionary cause: the same mechanisms of dense neuronal connectivity between cortical and subcortical brain structures. We find these 3 dimensions (i-iii) simultaneously affected in various cognitive disorders, including autism, Tourette's Syndrome, schizophrenia, and synesthesia, shedding new evolutionary light on these disorders, and revealing many new research questions to explore.

MICHAEL RYBAK



Michael J. Rybak, Pharm.D., M.P.H., PhD., is a Professor of Pharmacy, Department of Pharmacy Practice, adjunct Professor of Pharmaceutical Sciences and Director, Anti-Infective Research Laboratory, Eugene Applebaum College of Pharmacy & Health Sciences. He is adjunct Professor of Medicine, Division of Infectious Diseases, School of Medicine, Wayne State University and has been appointed adjunct Professor

of Pharmacy-Clinical, College of Pharmacy, University of Michigan.

Over the course of a long and distinguished career at Wayne State University, he has held several important posts, including serving 35 years as the Director for the Research Fellowship Program in Infectious Diseases Pharmacotherapy as well as the Associate Dean for Research at the Eugene Applebaum College of Pharmacy and Health Sciences, section chair and member of Wayne State University's Human Investigation Committee, the College of Pharmacy and Health Science's Research Committee and Wayne State University's Clinical Translational Research Committee.

Dr. Rybak has published extensively, including over 400 articles in peer-reviewed journals, presented more than 500 scientific abstracts, and has contributed to 20 book chapters.

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He has made over 300 invited presentations nationally and internationally. He is Editor-in-Chief of Infectious Diseases & Therapy, Associate Editor, Clinical Infectious Diseases and Scientific Editor for Infectious Diseases for the journal Pharmacotherapy. Dr. Rybak serves as editorial review board member for the journal Antibiotics and for Contagion.

Dr. Rybak's list of funded research grants as principal investigator or co-investigator reaches back 40 years and numbers over 200.

Dr. Rybak is a past President of the Society of Infectious Diseases Pharmacists and has held key positions at the American College of Clinical Pharmacy and the American Society of Health-Systems Pharmacists. He is the current President and Scientific Committee member for Making-A-Difference in Infectious Diseases, a non-profit organization which focuses on medical education regarding the optimization and appropriate use of antimicrobials. Dr. Rybak has received recognition as a fellow of the American College of Clinical Pharmacy and the Infectious Diseases Society of America, and is a recipient of the Russell R. Miller Award from the American College of Clinical Pharmacy and the American Society of Health-Systems Pharmacists Research and Foundation Award for sustained contributions to the literature. He has been a member of the American Association of Colleges of Pharmacy, the American Society of Health-Systems Pharmacists, and the American College of Clinical Pharmacy, Infectious Diseases Society of America and the American Society for Microbiology for over 30 years.

MATTHEW SEEGER



Matthew W. Seeger, Ph.D. is a Distinguished University Professor of Communication and Dean Emeritus. His research concerns crisis and emergency risk communication and infectious disease outbreaks, health promotion, agency responses coordination, the role of media, including new media, failure of complex systems and post-crisis resilience and renewal. He has worked with the United

States Centers for Disease Control and Prevention, the National Center for Food Protection and Defense, and he is a member of the World Health Organization Guidelines Development Group for Emergency Risk Communication. His work has been supported by the CDC, NSF, NIH and the State of Michigan. He is currently involved in a multi-year, interdisciplinary project focusing on critical infrastructures and the creation of resilience. This work involves issues of water contamination and public health. In addition, he is expanding his work on crisis, learning and opportunity through the theory of Renewal. The Renewal framework was developed by Dr. Seeger and his students and has become popular as a way to understand the transformative potential of crises and disasters.

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Dr. Seeger's work has appeared in over 200 journal articles, book chapters and conference proceedings. He is a co-author of the Centers for Disease Control and Prevention handbook for Crisis and Emergency Risk Communication (Second Edition, 2015). His other books include Communication and Organizational Crisis (2003), Crisis Communication and the Public Health (2008), Effective Crisis Communication (2007), Effective Risk Communication (2009), Theorizing Crisis Communication (2021), Narratives of Crisis: Stories of Ruin and Renewal (2016) and the International Handbook of Crisis Communication (2016).

He was the founding editor of The Journal of International Crisis and Risk Communication Research (JICRCR). He has been quoted in the Washington Post, New York Times, Atlanta Journal Constitution and Rolling Stone, and he has appeared on CNN.

Seeger is a Fellow of the International Communication Association and a recipient of the National Communication Association Service Engagement Award and the Gerald M. Phillips Award for Distinguished Applied Communication Scholarship. He is a member of the Public Relations Society of America, Detroit Chapter, and Hall of Fame.

ANN SCHWARTZ



Ann Schwartz is the Deputy Center Director and Executive Vice President for Research and Academic Affairs at the Karmanos Cancer Institute, and Professor and Associate Chair in the Department of Oncology, School of Medicine. She obtained her B.S. in Zoology from the University of Michigan, a M.S. in Biology from Wayne State University, and both an MPH in Environmental Health and a PhD in Epidemiology from

the University of Michigan School of Public Health. Throughout her graduate education she worked at the Michigan Cancer Foundation and continued there until 1991. After spending 8 years at the University of Pittsburgh and Allegheny General Hospital, she returned to Wayne State University. Since 1999, she has held numerous leadership positions within the Karmanos Cancer Institute, including serving as interim President and CEO.

Schwartz has held continuous NIH funding for over 30 years, studying the genetics underlying cancer and cancer health disparities. These studies focused on familial aggregation of lung cancer, producing the first estimates of lung cancer risk to relatives in African Americans, evaluation of targeted genes in smoking, estrogen metabolism, and inflammation pathways, and gene discovery using admixture mapping in African Americans.

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More recently, her research explores inflammatory pathway genes, quantitative image analysis, and the identification of novel driver mutations in African Americans with lung cancer. She is the PI of the largest cohort study of African American breast, prostate, colorectal, endometrium, lung and early onset cancer survivors and their caregivers (the Detroit ROCS study). This study has provided findings on the effects of physical activity, comorbidities, financial stress and discrimination on quality of life after a cancer diagnosis. She is also the PI on a P20 SPORE Planning Grant in Health Disparities focusing on immunotherapy and lung cancer. This multi-project grant is evaluating the immune environment for predictors of response to immunotherapy and adverse events associated with immunotherapy in a racially diverse population.

Schwartz has published over 275 peer-reviewed articles. She is an active participant in the International Lung Cancer Consortium and the Genetic Epidemiology of Lung Cancer Consortium (Founding Member), and is a former member of a National Pancreatic Cancer Consortium focused on familial pancreatic cancer. She is also a past member of NCI's Subcommittee A, the Parent Committee for Cancer Center Reviews, and has served on the External Advisory Boards for two lung cancer SPOREs and five NCI-designated cancer centers. She was the recipient of Wayne State University's Women in Medicine and Science Leadership Award, the Outstanding Research Achievement Award, and the Outstanding Faculty Mentor Award.

HELEN DURAND



Helen Durand is an Assistant Professor in the Department of Chemical Engineering and Materials Science at Wayne State University. She received her B.S. in Chemical Engineering from UCLA in 2011, and upon graduation joined the Materials & Processes Engineering Department as an engineer at Aerojet Rocketdyne for two and a half years. She earned her M.S. in Chemical Engineering

from UCLA in 2014 and her Ph.D. in Chemical Engineering from UCLA in 2017, and subsequently started at Wayne State. Dr. Durand's research focuses on advancing the control of cyberphysical systems, covering areas such as the development of new policies and rigorous theories for cyberattack detection for nonlinear systems and next-generation manufacturing, pioneering a control-theoretic perspective to the consideration of quantum computing for control action computation for engineering systems, establishing new digital twin design principles for processes subject to dynamic operation, and initiating the development of simulation methods for virtual testing of image-based control designs for process systems.

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Her work has been supported through federal grants, an industry gift, and grants received by her PhD students through the Michigan Space Grant Consortium. Her federal awards have included honors such as an NSF CAREER award and an Air Force Office of Scientific Research Young Investigator Award. She was invited to be one of five speakers in the Winter 2022 IEEE CSS Technical Committee on Process Control “Process Control, Optimization, and Data Analytics Young Researcher Online Seminar Series” and was also invited to provide a talk at the 2018 7th Midwest Workshop on Control and Game Theory at Michigan State University. She received a Faculty Research Excellence Award and an Excellence in Teaching Award within the College of Engineering at Wayne State University. She also received the honor of being a part of the Industrial & Engineering Chemistry Research 2021 Class of Influential Researchers. She is an Associate Editor for Control Engineering Practice and for Computational Methods in Chemical Engineering, a section within Frontiers in Chemical Engineering. She is on the Editorial Board of Digital Chemical Engineering and has served as an Associate Editor for a number of conferences with published proceedings in her discipline. She served as the chair of the Next-Gen Manufacturing Topical Conference for the 2021 Annual Meeting of the American Institute of Chemical Engineers.

TOM LINZ



Tom Linz is an Assistant Professor in the Department of Chemistry at Wayne State University. He received his B.S. in Chemistry from Truman State University in 2007. He then pursued his graduate studies at the University of Kansas, earning his Ph.D. in Chemistry in 2013. After graduating, he worked as a postdoctoral fellow at the University of North Carolina at Chapel Hill. In 2016, Dr. Linz

began his independent career at Wayne State University. Since joining WSU, his multidisciplinary research group has developed innovative measurement science techniques that integrate analytical chemistry, engineering, and materials science to study biological systems.

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Dr. Linz is best known for developing microfluidic separations using temperature-responsive gels. The unique ability to use temperature to control gel viscosity and tune separation performance enables rapid, high-resolution characterizations of proteins, RNAs, and DNAs. His user-friendly microfluidic methods validate biological samples at low cost to support biomedical research. Additionally, Dr. Linz has developed novel microfluidic technology to interrogate the contents of individual small extracellular vesicles. His methods afford the unprecedented ability to assess the loading heterogeneity of internal vesicular cargo with single-molecule sensitivity, which opens up previously inaccessible areas of biomedical research and has potential applications in diagnostic medicine. The innovative measurement science research program created by Dr. Linz has been funded by the National Institutes of Health and the National Science Foundation.

MARK SATTA



Mark Satta is an assistant professor in the Department of Philosophy and the Linguistics Program at Wayne State University. He received a B.A. in Psychology and Communications from Houghton College in 2009, a B.A. in Philosophy from the College at Brockport SUNY in 2012, and a Ph.D. in Philosophy from Purdue University in 2016. He earned a J.D. from Harvard Law School in 2019, where he

served as the executive online editor for the Harvard Law & Policy Review and as a member of Harvard Law's Board of Student Advisers.

Dr. Satta's scholarship focuses primarily on issues in epistemology, philosophy of language, and applied philosophy of law (with an emphasis on philosophical and legal questions about freedom of religion and freedom of speech). He has also done work in ethics, bioethics, political philosophy, and philosophy of religion. His work has been published in numerous peer-reviewed philosophy journals, edited volumes, and law reviews including *Philosophical Studies*, *Analysis*, *Episteme*, *Synthese*, *Public Affairs Quarterly*, the *Journal of Ethics & Social Philosophy*, *Erkenntnis*, the *Harvard Law &*

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Policy Review, the Harvard Civil Rights-Civil Liberties Law Review, the Buffalo Law Review, and the Brigham Young University Law Review.

In addition, he has written many articles and essays that seek to make philosophical and legal ideas accessible to a general audience. These works have appeared in the Internet Encyclopedia of Philosophy, the First Amendment Encyclopedia, Emory University's Canopy Forum, the blog of the American Philosophical Association, 1000-Word Philosophy, the Partially Examined Life Blog, The Conversation, Salon, the Houston Chronicle, the St. Louis Post-Dispatch, Business Insider, Il Ridotto di Venezia, The Kathmandu Post, and Courier Japan.

Dr. Satta teaches courses in epistemology, ethics, philosophy of language, and philosophy of law. Prior to joining the faculty at Wayne State in Fall 2020, he was an attorney working as an associate at the law firm Harter Secrest & Emery LLP, in his hometown of Rochester, NY. During law school he won the 2019 Harvard Law School LGBTQ Writing Prize and was a student fellow at the Petrie-Flom Center for Health Law Policy, Biotechnology, and Bioethics.

NAUSHEEN R. SHAH



Professor Nausheen R. Shah is an Associate Professor of Physics at Wayne State University (WSU) working on fundamental particle physics. She earned a B.S. Mathematics and Physics at George Mason University in 2001, and a Ph.D. in Physics from the University of Chicago in 2009. She pursued Postdoctoral studies at the Fermi National Accelerator Laboratory and at the University of Michigan.

Shah began her studies in theoretical particle physics at the University of Chicago working on extensions of the Standard Model, hypothesizing the existence of extra dimensions. As a Postdoctoral Fellow, Professor Shah was heavily involved in studying the phenomena that may be observed at the Large Hadron Collider (LHC) at CERN if there exists a fundamental symmetry in nature called Supersymmetry, concentrating on possible connection between Higgs physics and Dark Matter. She has continued pursuing these ideas since joining the faculty

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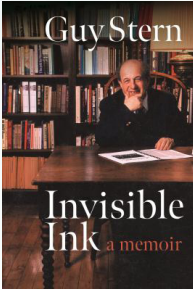
at WSU in 2015. She has written over 40 articles which have been cited nearly 3000 times and her research is funded by the US Department of Energy (DOE).

Professor Shah is currently a topical convener for an LHC Working Group at CERN and the 2021 Snowmass particle physics community planning exercise. She previously chaired the local organizing committee for APS CUWiP held at WSU in 2017, and has served as an organizer/convener for several large international conferences such as SUSY, ICHEP and LHCP and the Winter Aspen Conference. Professor Shah is also an active member of the Particles for Justice collective, and has been involved in several community outreach activities in and outside Detroit including radio/podcast/press interviews.

Professor Shah has received several awards and recognitions such as the Sloan Foundation award for working at the Aspen Center for Physics (2018), and the Richard J. Barber Faculty Award from the WSU Department of Physics and Astronomy (2019). She was the recipient of the GAANN (Graduate Assistance in Areas of National Need) fellowship awarded by the Department of Education (2007) and the recipient of the Bloomenthal fellowship (2008) for excellence in research by the University of Chicago.

2022 // GUY STERN

Invisible Ink - a memoir



Invisible Ink is the story of Guy Stern's remarkable life. This is not a Holocaust memoir; however, Stern makes it clear that the horrors of the Holocaust and his remarkable escape from Nazi Germany created the central driving force for the rest of his life.



The Bonner Award is named in honor of Dr. Thomas N. Bonner, past president of Wayne State University and The Academy of Scholars.

In the spirit of Dr. Bonner's commitment to strengthening programs in arts and sciences, the prize was established in 2000 to recognize the best recent book in English on the theory and practices of the Liberal Arts, with special consideration given to studies bridging the "two cultures" of the sciences and the humanities.

The monetary prize is awarded in a two-year cycle to a book published within the cycle. In the second year, a Call for Nominations is issued with an early December deadline. All nominations must be accompanied by two copies of a book, as indicated in the instructions below. The recipient of the Prize is announced by spring of the following year and the author(s) invited to participate in a symposium on the book in the fall on the Wayne State University campus.

2020 & 2021 BANQUET MOMENTS

*Pictured at right
(from left)*

Jack Sobel, President;
Mark Baskaran, new
AOS member, and
Mary T. Rodgers,
Vice President



*Pictured at left
(from left)*

Long Luo,
Outstanding Junior
Faculty awardee;
Jack Sobel and
Mary T. Rodgers



*Pictured at right
(from left)*

Hilary Marusak,
Outstanding Jr.
Faculty awardee;
Jack Sobel and
Mary T. Rodgers



*Pictured at left
(from left)*

Vladimir Chernyak,
new AOS Member;
Jack Sobel and
Mary T. Rodgers





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