Research Services High Tea 2020

Friday, June 19, 2020

2–3:30 p.m | Brought to you by Zoom

Program

Palma Buttles-Valdez
Celebrating the 155th Anniversary of Juneteenth "Emancipation Day"

Special Guest Speaker:
Tom Longstaff, CTO, Software Engineering Institute
Partnering with Library Science to Increase Collaboration Across the University

SEI Emerging Technology Center staff:
Carol Smith, Ritwik Gupta, Andrew Mellinger, and Hollen Barmer
CMU Atlas of AI

ETC's Artificial Intelligence (AI) project goal of locating research partners across SEI and CMU for future (AI) collaborations. The goal is to make it easier for the SEI (and anyone at CMU) to discover people doing research in the broad topic of AI, to aid the creation of marketing/sales resources that showcase the benefits of partnering with the SEI on AI. Their intention is to address these issues and explore the role that KiltHub might play in achieving this project goal.

Special Guest Speaker:
Keith Webster, Dean of Carnegie Mellon University Libraries
Libraries, Open Science and COVID-19

It is already evident that the pandemic will have fundamental implications for the flows of information and data. Researchers are overwhelmed by the volume of relevant papers being released, many without conventional peer review. Publishers have freed up their archives to anyone who wishes to access relevant content. Data archives are being populated with vast arrays of observations, many being shared internationally for the first time. Keith Webster will offer some thoughts on open science and team science, and on a possible role for libraries in supporting scientists as they respond to COVID-19. He will also report on CMU Libraries support for the academic community during the pandemic.

Panel Discussion
The Benefits of Sharing Your Projects in KiltHub — Inspirations from the Atlas of AI Project

Moderator: Huajin Wang. Panelists: Katie Behrman, David Scherer, Carol Smith, Ritwik Gupta, Hollen Barmer

Zoom Room Breakout Sessions

Importance of Honey Bees
Host: Adam Welle

Won't you Bee my Neighbor
Host: Carol Smith

Afternoon Tea vs. High Tea
Host: Rachel Callison

Presenters

Tom Longstaff
Chief Technology Officer, Software Engineering Institute

Tom is responsible for formulating a technical strategy and leading the funded research program of the institute based on current and predicted future trends in technology, government, and industry.

Before joining the SEI as CTO in 2018, Longstaff was a program manager and principal cybersecurity strategist for the Asymmetric Operations Sector of the Johns Hopkins University Applied Physics Laboratory (APL), where he led projects on behalf of the U.S. government, including nuclear command and control, automated incident response, technology transition of cyber R&D, information assurance, intelligence, and global information networks. He also was chair of the Computer Science, Cybersecurity, and Information Systems Engineering Programs and co-chair of Data Science in the Whiting School at Johns Hopkins.

Prior to joining the staff at APL, Longstaff was the deputy director for technology for the CERT Division at the Software Engineering Institute. In his 15-year tenure at the SEI CERT Division, he helped create many of the projects and centers that made the program an internationally recognized network security organization. His work included assisting the Department of Homeland Security and other agencies to use response and vulnerability data to define and direct a research and operations program in analysis and prediction of network security and cyber terrorism events.

Tom received his bachelor's degree in physics and mathematics from Boston University and his master's degree in applied science and his Ph.D. in computer science from the University of California, Davis.

Keith Webster
Dean of Carnegie Mellon University Libraries

Keith Webster was appointed Dean of University Libraries at Carnegie Mellon University in July 2013 and was additionally appointed as Director of Emerging and Integrative Media Initiatives in July 2015. He also has a courtesy academic appointment at the University's H. John Heinz III College. Previously, Keith was Vice President and Director of Academic Relations and Strategy for the global publishing company John Wiley and Sons. He was formerly Dean of Libraries and University Librarian at the University of Queensland in Australia, leading one of the largest university and hospital library services in the southern hemisphere. Earlier positions include University Librarian at Victoria University in New Zealand, Head of Information Policy at HM Treasury, London, and Director of Information Services at the School of Oriental & African Studies, University of London.

Keith has held professorships in information science at Victoria University of Wellington and City University, London. He is a Chartered Fellow and an Honorary Fellow of the Chartered Institute of Library and Information Professionals (UK), and has served on government advisory boards, journal editorial boards, and as an officer in professional and learned societies around the world. He became Chair of the National Information Standards Organization on 1 July 2018.

Keith's professional interests include research evaluation, learning space design and trends in scholarly communication. He is a regular speaker on topics such as the future of research libraries and the impact of open science on publishing and libraries.

Huajin Wang is a Liaison Librarian, Program Director for Open Science & Data Collaborations, CMU Libraries. As a liaison librarian, she helps students and faculty with their information and data needs. As the program director for Open Science & Data Collaborations, she leads innovative initiatives that facilitate research data sharing, reuse and reproducibility, and bring together communities across disciplinary boundaries to build a healthy data ecosystem. As a researcher, she has led many successful research projects and collaborated with biologists, clinicians, information professionals and data scientists on interdisciplinary research topics. Huajin holds a PhD in Cell Biology. Before joining the libraries, she has had more than 10 years of experience in biomedical research including molecular and cellular biology, lipid metabolism, bioinformatics, and computational analysis of large biomedical datasets."

David Scherer is the Scholarly Communications and Research Curation Consultant with the University Libraries at Carnegie Mellon University. David develops and oversees the sustainable programmatic scholarly communication and research curation services and workflows at CMU, through supporting interoperable tools and platforms of the scholarly communication ecosystem at CMU to support the evolving scholarly record. Among his responsibilities include the CMU APC Fund, the CMU Three Minute Thesis (3MT) Competition, the comprehensive institutional repository, KiltHub; the campus-wide functional and operational implementation lead for Symplectic Elements. His research interests include sustainable open access, open access publishing, library publishing, institutional repositories, data repositories, research information management, and altmetrics; and is the co-editor and author of Making Institutional Repositories Work (2016) from Purdue University Press. David has served in several roles within many professional organizations, including as a volunteer Managing Editor for the Directory of Open Access Journals (DOAJ) since 2015 and as the Library Publishing Coalition's DOAJ Liaisons representative since 2018.David earned his MSLIS and MA in History from Simmons University.

Katie Behrman is the Institutional Repository Manager in the Carnegie Mellon University Libraries, and is a member of the Libraries' Research Data Services and Open Science and Data Collaborations teams. She oversees the KiltHub repository and supports researchers in making their scholarly output open, accessible, and reproducible.

Carol Smith is a Senior Research Scientist in Human-Machine Interaction at the Software Engineering Institute's Emerging Technology Center at Carnegie Mellon University and an adjunct instructor for CMU's HCII program. She has been conducting user experience (UX) research to improve the human experience across industries for 19 years and working to improve AI systems since 2015. Smith is recognized globally as a leader in UX and her writing has been published in magazines and books. She has presented over 150 talks and workshops in 40 cities around the world, served two terms on the User Experience Professionals Association (UXPA) international board and is currently an editor for the Journal of Usability Studies and a guest editor for the ACM's DTRAP Journal, Special Issue on Human-Machine Teaming. She holds an MS in human-computer interaction from DePaul University.

Ritwik Gupta is a machine learning researcher at the Carnegie Mellon University Software Engineering Institute's Emerging Technology Center. His research focuses on the intersection of machine learning and health, with many forays into the areas of robotics, adversarial learning, and computational linguistics. He is passionate about educating people about machine learning and the many cool and unique ways it can be applied to unorthodox problem domains.

Andrew O. Mellinger joined the SEI's Emerging Technology Center in April 2012. Mellinger's work focuses on transitioning and operationalizing software and hardware research, with experience in a wide variety of areas such as device drivers, color and video processing applications, embedded systems for robotics, radiation oncology visualization and treatment, and near-real-time command and control situational awareness platforms. As well as providing development support, Mellinger provides project topsight through the entire software development lifecycle with a particular emphasis on using Lean and Agile philosophies and methods and human-centered design.

Hollen Barmer is the Strategic Communications Manager, Emerging Technology Center Hollen holds an MA in Professional Writing at Carnegie Mellon University and a BA in English and Literature in Christian Brothers University

Adam Welle is a senior cyber security engineer at the Software Engineering Institute and adjunct instructor at the Information Networking Institute of Carnegie Mellon University. He and his team develop software to support and assess realistic cyber training exercises. Previously, he served in the United States Marine Corps as a digital network analyst. He holds two M.S. degrees from Johns Hopkins University in Computer Science and Information Assurance.

Shay N. Badolato is the Event Planner II for Communication Services at the Software Engineering Institute (SEI). Before joining the SEI, Shay was a hospitality professional for over 6 years with Fairmont Hotels & Resorts at Fairmont Pittsburgh where she held two positions, Concierge and Sales, Catering, and Events Coordinator. Shay is a published writer in Whirl Magazine, Pennsylvania Meetings & Events Magazine, Mt. Lebanon Magazine, and Maniac Magazine. She has a Bachelor of Arts Degree in Professional Writing with a Visual Communications Design focus from La Roche University. Shay spent her time at La Roche University as Editor-in-Chief of the campus newspaper, LA Roche Courier and Co-President of Sigma Tau Delta—English Honors Society.

Research Services... at a Glance

Connecting you to the information you need

Our expert staff is dedicated to providing you with the information most relevant to your research using our expansive library network. This network includes direct access to subscription-only, full-text databases such as

- IEEE Xplore
- ACM Digital Library
- SCOPUS
- Web of Science
- Lexis/Nexis
- Gartner Core Research
- Hoovers
- DTIC

Common requests for information include

- searching general, government, and scholarly literature sources
- analyzing and verifying citations
- current awareness
- acquiring books and article materials via inter/intra-library loan
- researching markets and industries
- locating statistical information
- SEI-related information
- creating bibliographies
- consulting with you to understand your information needs

Research Services Team

Sheila L. Rosenthal is the Manager of Research Services at the Software Engineering Institute (SEI) and in this position, Sheila defines goals, negotiate policies, make plans to insure the continuing availability of timely and appropriate information to all areas of the organization, and oversees all aspects of research services. In addition, she assures the availability of electronic resources in all formats (e.g. e-books and e-journals) as well as provides printed resources which support the mission of the SEI borrowed from the CMU Libraries as well as other external organizations. She maintains awareness of current publication trends and information practices through membership in professional organizations and participation in workshops, seminars, and conferences. Sheila provides direct supervision of the Research Services staff and in regard to Carnegie Mellon University, she serves as official liaison to the Carnegie Mellon Library community and fulfills all requirements to maintain membership within the Research Center Information Managers (RCIM) FFRDC Library Directors/Managers Group.

Rachel L Callison has been the Research & Reference Librarian in SEI Research Services since 2004, and was promoted to Senior Librarian in 2011.

Prior to joining Carnegie Mellon, she was with the University of Pittsburgh (1995-2004) in several roles: Reference & Public Services Librarian at the Information Sciences Library, the Business Library and the Engineering Library and as the Administrator of the Department of Library and Information Sciences, School of Information Sciences (now the School of Computing and Information)

An interest in learning environments, information fluency and the research process led Rachel to design and teach numerous courses and workshops, including graduate courses for MLIS students at the University of Pittsburgh since 1999. Rachel has authored several professional publications and has held numerous governance & leadership roles within the Special Libraries Association (local and national) and the local chapter of Association of College & Research Libraries.

Requests or Questions?
Send us an email at **rs-team@sei.cmu.edu**