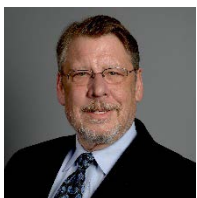


CI Day Presenters



Gary Allen serves as the Vice President for Information Technology at the University of Missouri four-campus system, and the Chief Information Officer for the University of Missouri – Columbia (MU). He oversees the Division of Information Technology, an organization which comprises the central IT support staff for the UM System, as well as the centralized and distributed IT staff of the MU campus. His purview also includes the Missouri Research and Education Network (MOREnet), a member-funded statewide network providing connectivity and services to the more than 700 K-12 school districts, higher education institutions, public libraries, and state and local government offices.










Timothy Middelkoop, University of Missouri middelkoopt@missouri.edu
Timothy Middelkoop is the director of Research Computing Support Services in the Division of Information Technology. He is also an assistant teaching professor in the department of Industrial and Manufacturing Systems Engineering. His research interests include cyberinfrastructure, large-scale (HPC) and multi-core scientific computing, computational optimization, clean energy optimization and control, energy management, integrated design systems, distributed sensor networks, and multi-agent systems.



Since April, 2014 **Irene M. Qualters** has been Director of the Office of Advanced Cyberinfrastructure at NSF. Prior to joining NSF in 2009, she had a distinguished 30-year career in industry, with executive leadership positions for research and development organizations within the technology sector. During her twenty years at Cray Research, in increasingly larger leadership roles, she participated in the development of the first commercially successful vectorizing compiler, the first multiprocessor version of Unix and Cray's landmark massively parallel computer, the T3E. Subsequently, for six years, as Vice President, she led the Research Information Systems for Merck Research Labs (MRL). She is expert in parallel computer system architectures and in a wide variety of software from scientific applications to system software.



Mark McIntosh serves as MU's vice chancellor of research, graduate studies and economic development and as the UM System's vice president for research and economic development, a joint appointment he has held since June. Dr. McIntosh began his MU career in 1981 as an assistant professor of microbiology with a specialization in bacterial genetics/genomics. He went on to serve for 15 years as chair of MU's Department of Molecular Microbiology and Immunology. Dr. McIntosh was the first director of MU's DNA Core Facility, and in 2004 was named director of all MU core facilities, a position that involved oversight of seven additional campus technology centers: mass spectrometry, NMR spectroscopy, electron and light microscopy, protein crystallization and x-ray diffraction, flow cytometry, and transgenic animal production. In 2008, he led a team that initiated the MU Informatics Research Core, a facility aimed at enhancing campus infrastructure and technical expertise in specific bioinformatics subdisciplines, among them genomics, proteomics and metabolomics. Over the course of his career, Dr. McIntosh has successfully garnered extramural support from NSF, NIH, USDA, Cystic Fibrosis Association of Missouri, the Missouri Life Sciences Research Board, as well as industry sponsors.

	<p>Ryan Ewing, Federal Bureau of Investigation - Special Agent Ryan Ewing has been with the FBI for over 7 years with assignments within Cyber Task Forces in the Miami Field Office, Columbia Field Office and Kansas City Field Office. He has had investigative cases for Cyber Criminal matters as well as Cyber National Security matters. Through the FBI continuing education program, he has held certifications through the SANS institute to include GCIH, GCFE, GCFA.</p>
	<p>Emily Hughes, Federal Bureau of Investigation - Emily Hughes is a Computer Scientist for the FBI in the Kansas City Field Office. CS Hughes joined the FBI as a cyber intern in the New Haven Field Office. CS Hughes is embedded on Kansas City's Cyber Task Force investigating national security and criminal computer intrusions.</p>
	<p>As a Business Technology Analyst, Susie Meloro plays a critical role in working closely with faculty and researchers to help identify needs and requirements for their research activities. She also helps them access cyberinfrastructure assets and services, including high-speed research networks and high-performance computing clusters. Another important part of her job is supporting the research-computing infrastructure. Susie comes to us from North Carolina, where she previously worked for Lenovo, most recently in HPC support for external clients. In her free time, Susie hangs out with her husband and their dog. Their favorite past time is traveling to exotic scuba diving locations.</p>
	<p>Tommi A. White, University of Missouri. Tommi White is the Director of the Electron Microscopy Core and a Research Assistant Professor in the Department of Biochemistry. Electron microscopy has traditionally produced 2D images, but today 3D and 4D images and spectra are output. These data are ever increasing in size and complexity. Data management, image analysis and large-scale processing of this multidimensional data is paramount, and archiving criteria/formats have not been yet defined. In particular, Dr. White's research uses structural biology to correlate protein structure/function, with expertise is in cryo-electron microscopy (cryoEM).</p>
	<p>Robert Schnabel, University of Missouri schnabelr@missouri.edu Associate Professor of Genomics in the College of Agriculture, Food and Natural Resources on the agenda and on our web site CI Day Presenters as Research Associate Professor in the Division of Animal Sciences and Informatics Institute at the University of Missouri. He is one of the key players involved with the next generation of sequencing technology, which will allow scientists to revolutionize livestock genetics</p>
	<p>Twyla Gibson, University of Missouri gibsonstg@missouri.edu is Assistant Professor of Library and Information Science (LIS) and Director of the Digital Humanities Commons @ The Allen Institute in the School of Information Science & Learning Technologies (SISLT), in the College of Education. Her research focuses on the development of new techniques and technologies for the analysis of ancient texts and manuscripts.</p>
	<p>Anne Barker is a Research & Instruction Librarian. She is the subject specialist for: English Language & Literature, Film Studies, German & Russian Studies, and Linguistics. Anne has been working to support MU's digital humanities efforts for several years; and welcomes MU faculty with related interests to contact her for help in articulating their cyberinfrastructure needs; and collaborating with Research Support Computing to determine what exists or is needed.</p>