



Central States Microscopy and Microanalysis Society

Fall 2015 Meeting -- Friday October 30, 2015

Farrell Learning and Teaching Center • Washington University Medical School • St. Louis, Missouri

Meeting in room 303AB, Corporate displays Hearth Area

Map location on page 3

"Microscopy and Microanalysis Applications"

Final Program

- 9:00 – 9:30 Registration & Refreshments, sponsored by Tescan USA, courtesy of Gary Hawkinson
- 9:30 – 9:45 Welcome and Opening Remarks: Melainia McClain, President CSMMS, Paul Carpenter MAS TC Chair
- 9:45 – 10:00 Student, Amanda Stadermann (WUSTL), "Analysis and Recreation of Apollo 12 Basalt Sample using EPMA"
- 10:00 - 10:15 Student, Olivia Vierrether (UMS&T), "Nano-particle TEM Grid Selection"
- 10:15 - 10:30 Student, Jeffrey Chininis (UM), "Development of Optical Waveguide Fabrication Protocols for Direct-Contact Laser Transmission Modalities"
- 10:30 - 11:00 Vendor Discussions & Refreshments, sponsored by Tescan USA and JEOL USA, courtesy of Gary Hawkinson and Robert Mierzwa
- 11:00 - 11:15 Student, Dave Stalla (UM), "Characterization Techniques to Quantify Carbon Nitrides"
- 11:15 - 11:30 Student, Bahar Findik (UM), "Initial structure determination of E.coli SecYEG embedded in amphipol using negative stain"
- 11:30 - 11:45 Student, Tim Phelps (UM), "Scanning Electron Microscopy and Energy Dispersive Spectroscopy of Iron and Tungsten Samples"
- 11:45 - 1:00 Lunch in Hearth area, sponsored by FEI, courtesy of Dean Krogman
- 1:00 – 1:45 MAS tour speaker: Edward Vicenzi, "The Twin Paradox: A Study of Preservation & Disfigurement of Southworth and Hawes Daguerreotype Photographs"
- 1:45 - 2:00 Vendor Discussions & Refreshments, sponsored by JEOL USA, courtesy of Robert Mierzwa
- 2:00 – 2:20 Alian Wang, WUSTL, "Raman Spectroscopic Imaging of Earth and Planetary Materials"
- 2:20 – 2:40 Howard Berg, "New discoveries aided by electron tomography of symbiotic plant roots, high pressure-frozen arbuscular mycorrhiza"
- 2:40 – 3:00 Clive Jones, WUSTL, "SIMS Analysis of Biogeochemical Samples Using the Cameca 7f-GEO"
- 3:00 – 3:20 Thomas Lam, UM, "SEM EDS with Silicon Drift Detector at the Electron Microscopy Core and Various Applications of Microanalysis"
- 3:20 – 3:40 Bob Passeri, Hitachi, "Ionic Liquid Sample Preparation"
- 3:40 – 4:00 Tom Strader, Microscopy Innovations, "Automated, Programmable Processing of Specimens and Grids with the mPrep™ ASP-1000"
- 4:00 - 4:30 Close of CSMMS meeting, CSMMS Business Meeting

Notes: Hearth area available to us from 8 – 2:30pm, room 303AB available 8-4:30pm

CSMMS Fall 2015 Meeting
“Microscopy and Microanalysis Applications”

Microanalysis Society Tour Speaker

Edward Vicenzi

“The Twin Paradox: A Study of Preservation & Disfigurement of
Southworth and Hawes Daguerreotype Photographs”

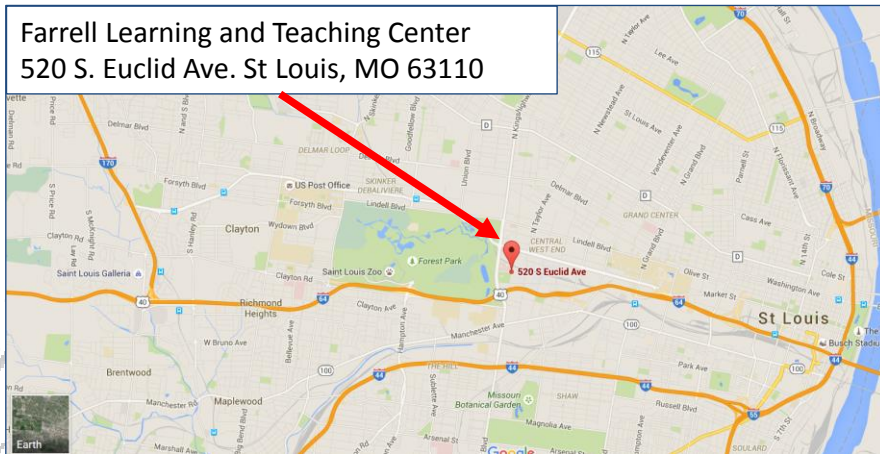


Biographical Sketch:

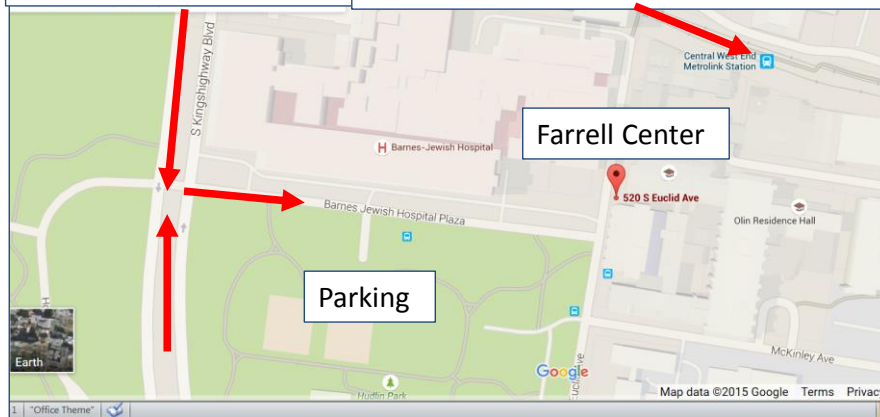
Ed Vicenzi is a research scientist at the Smithsonian Institution’s Museum Conservation Institute (MCI). He utilizes electron, photon, and ion microbeam techniques to study of origin and history of museum specimens. He served as the Director of the Analytical Laboratories at the National Museum of Natural History, and was co-manager of the Imaging and Analysis Facility at Princeton University before joining the Smithsonian. He is the President of the International Union of Microbeam Analysis Societies and serves on the editorial board member for *Heritage Science*. He has previously served as the President of the Microanalysis Society (MAS) and chair of the IUMAS-6 meeting in Hartford, Connecticut last year. He obtained a PhD from Rensselaer Polytechnic Institute, an MS from the University of Oregon, and a BSc from McGill University, all in Earth Sciences.

CSMMS meeting location map

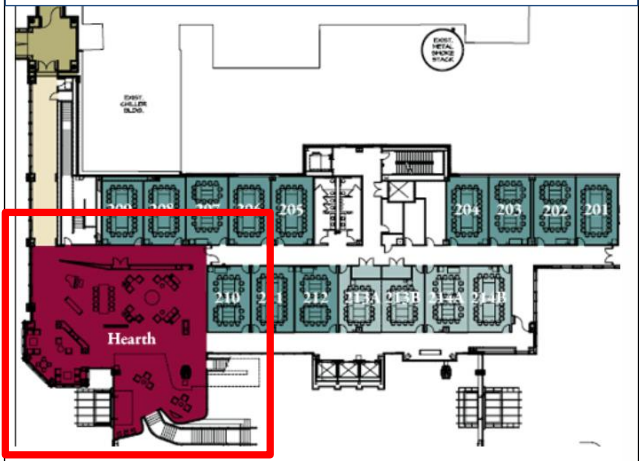
Driving: from Kingshighway turn east on Barnes Jewish Hospital Plaza, paid parking underground
STL Metrolink: go to Central West End station, walk to Farrell Center



Driving: Take Kingshighway exit from I-64 (or Khwy from STL)
Turn east onto Barnes Jewish Hospital Plaza
Park underground
STL: Metrolink Central West End Station



Farrell Learning and Teaching Center
Second floor plan – Hearth Area



Farrell Learning and Teaching Center
Third floor plan – Room 303AB

