

**STEVEN P. COMPTON, MVA SCIENTIFIC CONSULTANTS
PUBLICATIONS and PRESENTATIONS**

PUBLICATIONS:

- J. R. Millette and S. P. Compton , “Analysis of Vermiculite for Asbestos and Screening for Vermiculite from Libby, Montana,” *The Microscope* 63 (2), p 59-75 (2015).
- M. R. Cavaliere and S. P. Compton, “Nanoparticle Characterization and Analysis of Airborne Titanium Dioxide in Powdered Cosmetics,” *Tech. Proc. 2013 NSTI Nanotech Conference, Vol. 3 (5)*, p 481-484 (2013).
- S. P. Compton and J. R. Millette, “Airborne Asbestos Exposure from Gooch Fiber Use,” *The Microscope* 60 (4), p 165-170 (2012).
- J. R. Millette, S. Compton, W. L. Turner Jr., S. M. Hays, S. Kenoyer, W. B. Hill and P. S. Chepaitis, “Characterization of Coal Ash Including Fly Ash Particles,” *The Microscope* 60 (2), p 73-84 (2012).
- S. Compton and M. Cavaliere, "Microscopical Analysis of Consumer Products Containing Carbon Nanotubes: Determining Potential Airborne Release," *Microscopy and Microanalysis* 17 (S2), p 1556-1557 (2011).
- J. Millette, H. Rook, and S. Compton, “Application of ASTM Standard Practice D6602 in the Investigation of Outdoor Environmental Surface Particulate Including Darkening Agents,” *Journal of ASTM International, Vol. 8, Issue 9* (2011).
- R. Roesch, S. Cox, S. Compton, U. Happek, and M. Corredig, "κ-Carrageenan and β-lactoglobulin interactions visualized by atomic force microscopy," *Food Hydrocolloids, Vol. 18*, p 429-439 (2004).
- R. Vaidyanathan, J. L. Stickney, S. M. Cox, S. P. Compton, and U. Happek, "Formation of In₂Se₃ Thin Films and Nanostructures Using Electrochemical Atomic Layer Epitaxy," *Journal of Electroanalytical Chemistry, V. 559*, 15 Nov. 2003, p 55-61.

PRESENTATIONS:

- Instructor for TEM Asbestos Analysis, MVA Scientific Consultants, annually from 2012 to present.
- Instructor for Georgia Microscopical Society Annual “Young People’s Course: Learning to Use the Microscope,” MVA Scientific Consultants, annually from March 2011 to present.
- “Evaluation of Friction Materials for Asbestos and Investigation of Fiber Release,” S. P. Compton, ASTM Johnson Conference, Burlington, VT, 03 August 2017.
- "Comparative HRTEM Examination of Carbon Black and Soot Structures," S. Compton and J. Spry, Nanotech 2017, Washington, DC, 17 May 2017.
- "Resuspension of Settled Asbestos Dust - A Review of Exposure Assessments Related to Cleaning Asbestos Dust and Laundering Asbestos Contaminated Clothing," S. Compton, EIA National Conference, Orlando, FL, 27 March 2017.

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- "Poisson Distributions for Counting Methods: What To Do When Your Data Looks Normal Instead of Fishy," S. Compton, Conference on Detection Limits, Raleigh, NC, 31 August 2016.
- "Encapsulation Within Asbestos-Containing Materials: Fact or Myth?," S. Compton, ASTM Beard Conference, San Antonio, TX, 28 January 2016.
- "Comparison of Erionite from Different Locations by Scanning Electron Microscopy," S. Compton, ASTM Symposium on Natural Occurrences of Asbestos, Anaheim, CA, 30 April 2015.
- "What's Old is New and What's New is Old - A Review of Recent Case Studies," S. Compton, EIA National Conference, Atlanta, GA, 26 March 2015.
- "Carbon Nanotubes: The Standard ASTM is Developing to Address the Emerging Threat," S. P. Compton, ASTM Johnson Conference, Burlington, VT, 22 July 2014.
- "Aerosolization of Carbon Nanotubes for the Development of Reference Air Samples," M. Cavaliere, S. Compton, Nanotech Conference, Washington, DC, June 2014.
- "The Microscopy of Asbestos Products: Case Studies of the Unique and Interesting," S. Compton, Inter/Micro, Chicago, IL, 16 July 2013.
- "Environmental Forensics: Solving Cases through Physics-Based Critical Thinking and Microscopy," S. Compton, University of Georgia – Physics Awards Ceremony, Athens, GA, 25 April 2013.
- "The Microscopy of Asbestos Products," S. Compton, Georgia Microscopical Society Meeting, Duluth, GA, 27 March 2013.
- "Use of PLM, SEM, TEM and Raman in the Characterization of Coal Ash (Fly Ash)," J. Millette, S. Compton, American Association for Aerosol Research, Orlando, FL, 4 October 2011.
- "Microscopical Analysis of Consumer Products Containing Carbon Nanotubes: Determining Potential Airborne Release," M. Cavaliere, S. Compton, Microscopy & Microanalysis, Nashville, TN, 8 August 2011.
- "A Case Study of Asbestos Exposure in the Laboratory," S. P. Compton, ASTM Johnson Conference, Burlington, VT, 28 July 2011.
- "Using Aqueous Elutriation to Isolate Respirable Fractions of Asbestos Fibers from Talc," S. P. Compton, Inter/Micro, McCrone Research Institute, 13 July 2010.