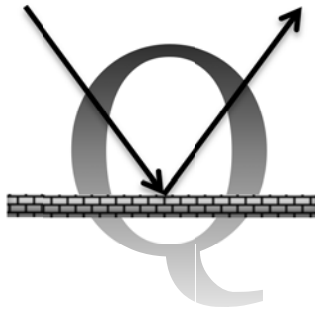


Seventeenth Topical Conference on Quantitative Surface Analysis (QSA 17)

Data Reproducibility Challenges



Brought to you by: AVS Applied Surface Science Division

Have you tried to reproduce published scientific experiments, but found it difficult to achieve the same results? Have you struggled with a lack of experimental detail in journal articles? Why do I get different results when I use materials from different suppliers? What are the steps I should take to thoroughly document and report my experiments? Issues of data reproducibility have been receiving notice around the world with 90% of the researchers in one survey indicating there is a reproducibility problem. Through invited speakers, panel discussions and audience participation, we will delve into this topic first by introducing the breadth and depth of the issue and how it applies to AVS technologies. AVS journal editors will lead a panel discussion on the topic, and invited speakers will provide practical advice on how to perform and document reproducible experiments by: utilizing standards appropriately, understanding starting materials, preparing samples and analyzing samples in a reproducible way and documenting these procedures in a way that can be duplicated by others. Real examples and case studies will be presented with generous time for discussion.

Invited speakers include:

Don Baer (PNNL), Mark Engelhard (PNNL),
Jeff Fenton (Medtronic), Ian Gilmore (NPL),
Wolfgang Unger (BAM), Amy Walker (UTD)
Panel Discussion with AVS Journal Editors



The conference takes place on Sunday, October 21st at the AVS 65 conference venue. Registration costs \$150 and \$50 for students. Student discounts made possible by our sponsors. Registration includes continental breakfast and lunch. The conference will end at 3pm so that you can attend the Biomaterials Plenary session. Registration is easy! Register for QSA17 when you register for AVS 65!

Who should attend? Students, postdocs, professors, government and industry scientists alike who have experienced the problem and strive to produce quantitative experimental data and document it in a way that others can reproduce.

Contributed posters are being accepted and encouraged.

Contact Tony Ohlhausen, jaohlha@sandia.gov to submit a poster.

Organizing Committee: Don Baer (PNNL), Michael Brumbach (SNL), Jeffrey Fenton (Medtronic), Tony Ohlhausen (SNL), Michaeleen Pacholski (Dow), Cedric Powell (NIST), Vin Smentkowski (GE), Amy Walker (UTD), Mark Engelhard (PNNL), Chris Moffitt (Kratos),