

***Eighteenth Practical Software and Systems Measurement (PSM)
Users' Group Workshop
Call for Speakers***



“Measurement in a Complex Environment”

***Crystal City, Virginia
12 – 16 June 2017***

The PSM Users' Group provides the opportunity for PSM users and measurement practitioners to share experiences in issue-driven measurement and learn about changes in the measurement community. Attendees will also participate in workshops that provide a foundation for future PSM initiatives, products, and services. The Users' Group will include user presentations and workshops. Measurement users and measurement professionals from DoD, government, and industry are encouraged to attend.

If you are interested in speaking at the Users' Group, or leading a workshop, please provide an abstract by 10 February 2017 to PSMUG2017@psmsc.com. More details are provided later in this file.

This workshop will be held at the Lockheed Martin Global Vision Center in Crystal City. The registration fee will be \$295 per attendee.

Location: Lockheed Martin Global Vision Center • 2121 Crystal Drive • Arlington, VA 22202
Directions and hotels will be provided upon registration.

Preliminary Agenda

Monday	Registration, PSM Training, PSM Trainer Refresher Session for qualified trainers
Tuesday	Welcome, Keynote, User Presentations (a.m.), Workshops (p.m.)
Wednesday	Keynote, User Presentations (a.m.), Workshops (p.m.), Group Dinner
Thursday	User Presentations (a.m.), Workshops (p.m.)
Friday	User Presentations (a.m.), Workshop Outbriefs (a.m.), Wrap-Up at noon

If you use measurement in your organization or have a measurement-related experience that could benefit others, you are encouraged to propose a presentation and/or workshop.

Presentations

We are particularly interested in the experiences of measurement practitioners in areas related to the theme, “Measurement in a Complex Environment”. We welcome submittals about measurement of system-of-systems, cybersecurity, software maintenance, mission engineering, technical debt, agile, cost measurement and modeling, and other emerging technologies and trends. We are particularly interested in presentations addressing how to measure performance, risk, and cost impacts.

Note: the Users' Group was initially scheduled for February and has moved to June. All presentation proposals received to date are being evaluated and considered.

Some related ideas include:

- Measurement to support improved life cycle decision making in an complex environment
- Implementing and using fact-based information
- Measurement and estimation of system or software maintenance and sustainment
- Measurement for agile or other developmental approaches
- COCOMO3 - COSYSMO
- IT Measurement - Infrastructure, Services, Cloud Computing, Help Desks and Administration
- Analytics and big data
- Measurement for model based system engineering
- Measuring technical debt
- Critical infrastructure
- Measuring affordability of systems and software
- Measurement of agile or other development approaches
- Measurement for mission engineering (across portfolio)

Presentations should last 45 minutes, and should provide experience-based guidance and information for participants. As always, actual implementation experience with real data is highly valued. Presentations may provide:

- Examples of measurement implementations in specific projects, programs, or processes
- Case studies, trends, or other experiences with organization and enterprise measurement
- Current initiatives and progress with industry standards or best practices in measurement
- Recent developments and lessons learned with respect to measurement driven by information needs.

Workshops

Workshops should focus on developing guidance for specific areas of measurement. Attendees will be asked to bring specific materials to share and practical guidance and examples will be developed. All workshop results will be posted on the web site. Workshops will last 3½ hours.

We are currently planning the following workshops:

- Estimating software maintenance and sustainment
- COSYSMO advances (Systems Engineering Cost Estimation)
- COCOMO 3 (Software Cost Estimation)
- Agile measurement
- SOS measurement

We welcome abstracts for additional workshops related to the topics above, or new ideas. Workshops last 3½ hours, and should provide participants with the opportunity to discuss measurement needs and solutions.

Important Dates

Speaker abstracts and biographies due: February 10, 2017
Notice of selection: March 10, 2017
Presentation due: June 2, 2017

All speakers must submit a registration form. Registration information will be available by 10 January on <http://www.psmc.com/Events.asp>.

Abstract and Biography:

In your submittal, please include your name, title, organization, address, phone, and email. In addition, include the following information for the type of session that you wish to offer.

For Presentations: Please provide an abstract and a biography. The abstract should be one-half page or less, and it should include your presentation title, a short description of your proposed presentation and the key lessons or concepts that will be conveyed. The biography should be no more than one page in length.

For Workshops: Please provide a workshop description and a biography. The description should include:

- Prerequisites (materials attendees should review ahead of time)
- Materials to bring (from their organization or project)
- Discussion (what will be accomplished)
- Goals and products (what will be produced as a result of the workshop)

The workshop description template can be downloaded on the PSM Events page,

<http://www.psmc.com/Events.asp>. The biography should be no more than one page in length.

*Sponsored by the PSM Support Center and the
International Council on Systems Engineering (INCOSE)*

*Please send your proposal(s), via email, to:
PSMUG2017@psmsc.com*