

### ABSTRACT AND BIOGRAPHY

#### **Are Your Software Measures Useful?**

In the current NASA environment, where requirements keep rising and budgets keep decreasing, it is increasingly important to have the key data to make the right decisions for mission success. For the software areas, “key data” often comes from our software measures. But probably every project that collects at least some basic software measures knows that regular measurement collection, storage, and analysis isn’t “free” in terms of effort spent or cost for tools. So, how do we make sure that the money spent on software measures is worthwhile? Are there software measures that are required? Which measures are the most useful to help ensure mission success and how do we choose them? This talk will focus on software measurement requirements, a methodology for choosing good measurements for your project, and real examples. Come and hear about some of the types of software measures NASA project managers have found most useful for their projects.

#### **Sally Godfrey**

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Ms. Sally Godfrey has been with NASA for over 30 years, during which she has managed the development of many large flight dynamics software ground systems. She was also involved in software process improvement and software measurement as a member of the Software Engineering Laboratory at Goddard Space Flight Center (GSFC) for over 10 years.

Currently Ms. Godfrey is a member of the NASA Software Working Group (SWG), an Agency advisory group for recommending software engineering policies, standards, and best practices. As a member of the SWG, she leads the software measurement subgroup.

In addition, Ms. Godfrey is the Software Process Improvement Project Manager for GSFC where she is primarily involved in the implementation of the NPR 7150.2 and CMMI at GSFC. She has co-authored papers on the use of several software technologies applied to ground systems and on software improvement methodologies, including CMMI.