Information Artifact Evaluation by Using the TEDS Method and the TEDS Rating Tool

Abstract

The evaluation of information systems or artifacts as "outcomes" of software engineering (SE) projects has been a focus of study in SE and information systems-related research for quite some time. In recent years, evaluating artifacts, for example, mobile applications or websites has become more important, since such artifacts play increasingly critical roles in generating revenues for businesses, and the degree of artifact effectiveness is seen as a competitive factor. With the TEDS framework/procedure a novel and comprehensive approach to systematic artifact evaluation and comparison has been presented a few years ago, whose effectiveness and analytical power in comprehensive and highly detailed artifact evaluations and comparisons was empirically shown. In this talk the TEDS framework/procedure will be detailed, and the empirical evidence of its effectiveness will be discussed. However, despite its demonstrated capability TEDS still proved to be time and resource consuming like other evaluation approaches before. The talk will then discuss the specific online tool of TEDSrate that has been developed and tested to overcome the particular barrier to timely and cost-effective artifact evaluation and comparison.

Speaker

Hans Jochen Scholl, Ph.D. (Information Science, SUNY Albany) is a full professor with tenure in the Information School at the University of Washington (#15 worldwide), which has been ranked one of the top two schools of its kind. His research expertise is focused on information management. Special topics of interest include smart government and smart governance, process analysis, interoperability, information artifact evaluation as well as disaster information management using novel information technologies and its uses as a major focus. He serves as an Associate Editor to Government Information Quarterly, the leading journal in electronic government. He chairs or co-chairs e-government conferences, such as the International Federation for Information Processing (IFIP) E-Government Conference, as well as the globally leading E-government Track and E-Government Symposium at the Hawaii International Conference on System Sciences (HICSS). Jochen is the Chair (2013 to 2017) of the IFIP TC3 WG 8.5 (Information Systems and Public Administration) and is a past president of the Digital Government Society (2010-2011).