

## **Special issue: Human Factors in Modeling Software Quality journal**

### **Overview:**

Since modeling is an intrinsically human enterprise, many of the questions related to modeling can only be answered by empirical studies employing human factors. This new workshop series aspires to become a venue for early stage empirical research involving human factors in modeling. Our goal is to improve the state of the science and professionalism in empirical research in the Model Based Engineering community. Typical examples of such questions might consider the usability of a certain approach such as a method or language, or the emotional states or personal judgements of modelers.

This special issue is the proper place to share mature research, ground-breaking ideas, and experience reports in Human Factors of Modeling. This issue welcomes all submissions that fall in the referred domain, where topics of interest include, but are not restricted to:

- Emotion and preference of users in the face of modeling related tools and activities
- Stress, load, and performance involving modeling activities and artifacts
- Communicative and cognitive strategies and styles connected to modeling activities
- Training and testing of modeling, modeling tools, and related practices capabilities and competencies
- Team and group behavior, including behavior across (social) media
- Other topics that fit into the general frame of this workshop are also welcome.

The CFP will be announced across the MDE, Modeling Languages, Usability and Empirical studies communities and related conferences.

### **Guest Editors:**

Harald Störrle, Department of Applied Mathematics and Computer Science Technical University of Denmark, (hsto@dtu.dk)

Miguel Goulão, Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa FCT-UNL, Portugal (mgoul@fct.unl.pt)

Vasco Amaral, Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa FCT-UNL, Portugal (vasco.amaral@fct.unl.pt)

### **Requirements for Submission:**

We solicit three types of submissions that each have their specific quality and review criteria:

- **Empirical Study:** Papers that present research results of empirical studies of human factors in modeling. This includes replication studies and negative results, and in the classic style, of papers by presenting a novel approach that prioritizes interesting ideas over consolidated results. We want to encourage contributors to not just submit a paper presenting their work, but also the raw data and data analysis scripts.
- **Study Design:** Papers that motivate, describe, and evaluate study designs. They will be evaluated based on the quality of the study design alone, i.e., whether the reviewers obtain meaningful, valid, and interesting results. No actual study or study results are expected. This kind

of submission may be considered a community-shepherding process similar to what is common in the patterns community.

- **Empirical Theory:** Papers that contribute to or develop a theory of some aspect of a human factor relevant in modeling. Empirical validation is required, and a thorough analysis of the existing work from all relevant fields (i.e., including e.g., psychology, sociology, philosophy and more as appropriate).

Submission of a manuscript implies that the work described has not been published before;

- i.e. that it is not under consideration for publication anywhere else; that its publication has been approved by all co-authors, if any, as well as by the responsible authorities – tacitly or explicitly – at the institute where the work has been carried out.
- If an earlier version of this work has been published then this submission must be at least 30% different and the authors should explain in the introduction the delta between this new paper and the prior version

The authors are requested to provide an abstract of 150 to 250 words. The abstract should not contain any undefined abbreviations or unspecified references. Also, it should be provided 4 to 6 keywords which can be used for indexing purposes.

Papers should be submitted to the special issue through the Editorial Manager <http://sqjo.edmgr.com>, selecting the article type "Special Issue: Human Factors in Modeling".

**Reviewing details:**

Submitted papers will be rigorously refereed by 3 reviewers. Special issue editors will not submit papers.

**Expected number of accepted papers:**

6 (1 invited paper/survey paper + 5 others)

**Suggested timetable:**

November 30, 2015: Submission deadline



<http://www.springer.com/journal/11219>

Software Quality Journal

Editor-in-Chief: Harrison, R.

ISSN: 0963-9314 (print version)

ISSN: 1573-1367 (electronic version)

Journal no. 11219