BISE – Call for Papers Issue 5/2010

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Science of Business and Information Systems Engineering

While business and information systems engineering is the dominating IS research paradigm in the German-speaking countries, a large number of design/engineering oriented researchers can also be found in the Nordic countries, the Netherlands, Italy, and France, just to name the biggest communities. In contrast to behavioral IS research that aims at descriptive learning, i. e. at the exploration and validation of generic cause-effect relations, business and information systems engineering aims at prescriptive learning, i. e. design and evaluation of generic problem solutions.

Both behavioral research and design/engineering research are paralleled by “meta” research: Social sciences and design/engineering sciences reflect the respective processes, products, roles, etc. in order to provide guidance for researchers and to specify the respective approach’s rigor. For example, in behavioral IS research quantitative, statistical significance is established as a clear and common measure of its results’ rigor – but the relevance of these results varies. In contrast, business and information systems engineering aims at producing ideal IS-reliant problem solutions; utility for practice is established as a clear and common measure of its results’ relevance – but its construction and evaluation rigor varies.

The rigor of business and information systems engineering is less well-defined and less commonly accepted than the rigor of its behavioral IS research counterpart. While numerous contributions have been made to the justification of design, the typology of artifacts, or specific problem solutions, rigor-related aspects are not yet sufficiently standardized across the design/engineering research community. One example is the lack of a commonly accepted reference pro-

cess model. Another example is the debate whether constructs, models, methods, and instantiations are the only acceptable artifact types or whether theories and/or “testable design product hypotheses” should be included. Although the IS community agrees in general that information systems comprise organizational (human) as well as technical (software) components, it is argued whether “pure” organizational artifacts are acceptable outcomes or whether only IT-related artifacts are allowed results of IS design research. A final example for the need of rigor or improvement in business and information systems engineering research is the lack of commonly accepted, specific evaluation guidelines for the different artifact types.

Contributions from research and business practice on the following (and related) topics are invited:

- Scope of business and information systems engineering research
- Result types of business and information systems engineering research
- Process of business and information systems engineering research
- Stakeholders of business and information systems engineering research and their concerns
- Creativity and innovation in business and information systems engineering research
- Design/engineering goals of business and information systems engineering research
- Suitable methods for specific business and information systems engineering research situations
- Evaluation of business and information systems engineering research (process and results)
- Construction principles in business and information systems engineering
- The role of IT and computer science in business and information systems engineering

Submission

Please submit papers by 2009-12-01 to Prof. Dr. Robert Winter (robert.winter@unisg.ch). Abstracts may already be submitted by 2009-09-01. Please observe the instructions regarding the format and size of contributions to Business & Information Systems Engineering (BISE) / WIRTSCHAFTSINFORMATIK. Papers should not exceed 10 pages; this amounts to 50,000 characters including spaces, minus 5,000 characters per page for

illustrations. Papers should be submitted electronically in German or English language (as Word documents or rtf-files). Detailed authors’ guidelines can be downloaded from <http://www.bise-journal.org>.

All papers will be reviewed anonymously (double-blind process) by several referees with regard to relevance, originality, and research quality. In addition to the editors of the journal, including those of this special focus, distinguished national and international professionals with scientific and practical backgrounds will be involved in the review process.

Complementary articles covering topics of this special focus are also more than welcome for other sections of the journal, e. g. for BISE – State of the Art, BISE – Catchword, and BISE – Profile. Please send those articles directly to the editor-in-chief Prof. Dr. Hans Ulrich Buhl (hans-ulrich.buhl@wiwi.uni-augsburg.de).

Accepted papers will appear identically in English and German. The English-language version will appear in Business & Information Systems Engineering (BISE), the German-language version will appear in WIRTSCHAFTSINFORMATIK. Accepted papers will be translated in close cooperation with the authors and a professional team of translators.

Schedule

Submission deadline (abstracts, not mandatory):

2009-09-01

Submission deadline (full paper):

2009-12-01

Author notification:

2010-02-05

Completion of first revision:

2010-04-11

Author notification:

2010-05-28

Completion of second revision (if needed):

2010-06-27

Planned publication date of Issue 5/2010:

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