

Call for papers for the track:
Knowledge Management in Software Engineering (KMISE)
SEKE'14

Knowledge management (KM) has been recognized as an essential component of knowledge-intensive processes, such as software engineering. Current software development processes suffer all too often from inappropriate project costs and duration estimations, cancelation and failures. The developed software product is frequently found fragile and unreliable; not fully complying with the requirements; difficult to upgrade and more. KM can facilitate software engineering by different ways, e.g., increasing the reuse of development experience, processes and products and creating a communication layer between developers and end-users. Current KM systems enable to organize the accumulated experience for better storage and retrieval and open internal communication channels within the development teams and external communication channels between the organization and the end-users, throughout the development and integration processes.

The Knowledge Management in Software Engineering track will focus on research that examines real settings where KM is embedded in SE (or produced with the SE), evaluating its role and influence on the software development process and its outcomes.

Papers should clearly establish the research contribution and the relation to previous research.

Suggested topics:

- Tools and technologies for managing knowledge in SE
- Methodologies for embedding KM practices in SE
- Empirical evidence for implementing KM in SE: risks, costs and benefits, and lessons learned
- KM models in SE
- Key performance indicators (KPI's) for measuring and evaluating the influence of KM
- Incentive programs for enhancing KM adoption
- KM in worldwide-distributed development teams
- KM as derived product of system usage analysis (e.g. usage patterns, tacit organizational culture and processes)
- KM and SE decision making
- KM contribution to efficiency (e.g. reuse, cost reduction)
- SE developer satisfactions.

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