Call for papers: Thematic Series on "Free and Open Source Software Development"

Deadline: Mar 1, 2016.

Motivation

Free and Open Source Software (FOSS) is now a significant component in the Internet industry and is recognized as an important area of research within Software Engineering and related disciplines. The FOSS movement has a major impact on how organizations work and how individuals create, distribute, acquire and use software. FOSS development continues to grow, and its development model serves as a foundation for business, collaboration processes, software engineering practices, IT management. On the other hand, the movement has introduced new challenges, especially in relation to openness and the innovative nature of this development model. This JISA Thematic Series seeks innovative contributions to research and development of Free and Open Source Software Development. The goal is to establish the state of the art for knowledge in this area, and define a research agenda for, creating a source of reference for researchers and practitioners. In this Thematic Series, we are seeking for original contributions of different types, including theoretical foundations, practical, empirical, and conceptual studies.

Topics include but are not limited to the following:

- Social/Human aspects of FOSS development
  - Cultivating/developing open source communities
  - FOSS intellectual property, copyrights and licensing
  - Joining process
  - Cultural aspects of FOSS communities
  - Social networks analysis of FOSS communities
- FOSS practices and methods
  - FOSS and traditional/agile development methods
  - FOSS and decentralized development
  - Knowledge and documentation management in FOSS
  - Using mining software repositories techniques to manage and investigate FOSS processes and practices
- FOSS Infrastructure (underlying technology and applications)
  - FOSS and the Internet of the future
  - FOSS and cloud computing
  - Using FOSS in cluster computing and MapReduce
  - FOSS noSQL databases
  - FOSS and the Internet of Things
- FOSS and innovation
  - The role of FOSS in innovative processes
  - FOSS and crowdsourcing
  - FOSS-based startups
  - Expanding scientific research and technology development methods through openness
  - New application areas in FOSS
  - Application of FOSS in the Smart Cities context
- FOSS adoption in commercial and non-commercial settings
  - Success cases of migration to FOSS systems
  - Adoption of FOSS practices in commercial projects - inner source
  - Effects of commercial involvement on FOSS sustainability
  - Experiences of relicensing existing closed-source
  - Case studies of FOSS deployment
- FOSS and Education
  - Teaching FOSS at all levels of education
  - Project Based Learning using FOSS projects

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Deadline for submissions: Mar 1, 2016

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