



Call for Participation

2012 African Conference on Software Engineering and Applied Computing

Gaborone, Botswana, 24-26 September 2012

<http://www.acseac.org>



Technically Co-Sponsored by



ACSEAC is the premier forum for researchers, practitioners and educators to present and discuss the most recent ideas, innovations, trends, experiences, and concerns in the field of software engineering and Applied Computing.

Innovative approaches to enhancing business growth and efficiency is the theme of ACSEAC2012. It acknowledges the increasing importance of well engineered software solutions that increase production efficiency and revenue. As such an important goal of this meeting will be to reach out to practitioners within this area that are impacted by or benefit from software engineering know-how.

Lasting Impact: New techniques have to be devised, while existing techniques must be tested in a range of environments to determine whether and how they are useful and relevant. The conference will offer an exciting program of events, including keynote talks by leaders in the field, invited talks along specialized themes, tutorials, workshops, and technical paper presentations on innovative research, the cutting edge of practice, and new developments in software engineering education.

High Quality Submissions are invited for papers describing original unpublished research results, meaningful experiences, and novel educational insights. Proposals for tutorials, workshops, research demonstrations, and exhibits are also welcome.

UNIVERSITY OF NAIROBI



UNIVERSITY OF BOTSWANA

Conference Organization

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Doctoral Symposium Co-chairs

Kyadonghere Kyamakyia, Austria
Daniel M. Berry, Canada

Track 1: Principles and practice of software engineering

- Development practices and approaches
- Software Development Tools and Infrastructure
- Software Process
- Requirements Engineering
- Software Architectures & Design
- Software Security
- Testing & Quality assurance
- Software Economics
- Software Measurement
- Validation and Verification

Track 2: Applied computing techniques

- Artificial Intelligence
- Programming environments
- Evolving data structures
- Agent-based technologies
- Mobile technologies
- Genetic programming and fuzzy logic
- Distributed systems
- Decision-support systems
- Testing verification and validation of varying applications
- Real-time systems
- Scheduling and Optimization techniques
- ICT for the Developing World

Track 3: Industrial session on software process improvement

- Defining and documenting software processes
- Measuring software processes
- Evaluating software process capability and effectiveness
- Planning and managing software process improvement projects and programs
- Implementing software process change
- Building the requirement management process
- Six Sigma approaches to software process improvement
- Mastering the software product lifecycle
- Software project management and planning
- Effective risk management techniques
- Agile software development methods
- Balanced scorecard
- Software measurement and analysis
- The agile software review process

Track 4: Innovations in Education

- Innovative instructional technologies
- Evaluation and assessment techniques
- Application development environments and frameworks
- Use of Open source tools in software engineering courses
- Integration of agile practices in software engineering courses
- Industry-academia collaboration models
- Accrediting long-distance postgraduate degrees in software engineering
- Integrating industrial case studies
- Corporate continuing education and training
- Professional, ethical, and legal issues in software engineering education
- Integrating technical writing in software engineering courses
- Integration of research results into software engineering courses
- Forming learning communities among undergraduate and graduate students
- E-learning

International Advisory board

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Conference highlights

- ACSEAC2012 is in technical co-sponsorship with the IEEE
- This conference is expecting to draw over 200 international participants, including: Industrial and academic researchers, managers, architects, engineers and consultants in the IT industry, vendors and users of software tools, professors and students.
- Workshops on emerging topics will be an integral part of this conference.
- Tutorials by leading experts in their fields will be given.
- Best Paper and Best Student Paper Award will be sponsored by [IEEE software](#).

Conference proceedings

- The proceedings of this conference will be indexed in the IEEE Digital Library
- Post-conference proceedings will be included in the [Communications in Computer and Information Science](#) (CCIS) series published by Springer. This is for only selected papers

Discount to IEEE members is available on registration fees

Website and Contact Information: Please see ACSEAC2011 website at
<http://www.acseac.org>
Further questions, please email
joseph@acseac.org

Dates and Deadlines

Full papers & industrial reports

- Submission deadline: April 16, 2012
- Author notification: June 4, 2012
- Camera-ready papers: June 25, 2012

Workshop proposals and tutorials

- Submission deadline: May 3, 2012
- Decision notification: May 31, 2012
- Tutorial & Workshops: September 24-26, 2012

Doctoral Symposium

- Submission deadline: May 3, 2012
- Acceptance notification: June 4, 2012
- Camera-Ready Version: June 22, 2012
- Symposium Presentation: September 24-26, 2012

Tools, Posters and Demo abstracts

- Abstract submission: May 3, 2012
- Acceptance notification: June 6, 2012
- Camera-ready: June 24, 2012

Conference Registration

- Early Registration: June 6, 2012
- Late Registration: August 1, 2012
- Registration deadline: August 31, 2012

Conference presentations

- 24 - 26 September 2012

Program Committee

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