# ICSEA 2014

# Forward

The Ninth International Conference on Software Engineering Advances (ICSEA 2014), held between October 12 - 16, 2014 in Nice, France, continued a series of events covering a broad spectrum of software-related topics.

The conference covered fundamentals on designing, implementing, testing, validating and maintaining various kinds of software. The tracks treated the topics from theory to practice, in terms of methodologies, design, implementation, testing, use cases, tools, and lessons learnt. The conference topics covered classical and advanced methodologies, open source, agile software, as well as software deployment and software economics and education.

The conference had the following tracks:

- Advances in fundamentals for software development
- Agile software techniques
- Improving productivity in research on software engineering
- Software security, privacy, safeness
- Advances in software testing
- Advanced mechanisms for software development
- Specialized software advanced applications
- Software engineering techniques, metrics, and formalisms
- Business technology
- Software deployment and maintenance
- Advanced design tools for developing software
- Software performance
- Web accessibility

Similar to the previous edition, this event continued to be very competitive in its selection process and very well perceived by the international software engineering community. As such, it attracted excellent contributions and active participation from all over the world. We were very pleased to receive a large amount of top quality contributions.

We take here the opportunity to warmly thank all the members of the ICSEA 2014 technical program committee, as well as the numerous reviewers. The creation of such a broad and high quality conference program would not have been possible without their involvement. We also kindly thank all the authors that dedicated much of their time and effort to contribute to ICSEA 2014. We truly believe that, thanks to all these efforts, the final conference program consisted of top quality contributions.

Also, this event could not have been a reality without the support of many individuals, organizations and sponsors. We also gratefully thank the members of the ICSEA 2014 organizing committee for their help in handling the logistics and for their work that made this professional meeting a success.

We hope the ICSEA 2014 was a successful international forum for the exchange of ideas and results between academia and industry and to promote further progress in software engineering research. We also hope that Nice, France provided a pleasant environment during the conference and everyone saved some time to enjoy the charm of the city.

**ICSEA 2014 Chairs**

**ICSEA Advisory Chairs**

Herwig Mannaert, University of Antwerp, Belgium
Jon G. Hall, The Open University - Milton Keynes, UK
Mira Kajko-Mattsson, Stockholm University & Royal Institute of Technology, Sweden
Luigi Lavazza, Università dell'Insubria - Varese, Italy
Roy Oberhauser, Aalen University, Germany
Elena Troubitsyna, Åbo Akademi University, Finland
Davide Tosi, Università dell'Insubria - Como, Italy
Luis Fernandez-Sanz, Universidad de Alcala, Spain
Michael Gebhart, iteratec GmbH, Germany

**ICSEA 2014 Research Institute Liaison Chairs**

Oleksandr Panchenko, Hasso Plattner Institute for Software Systems Engineering - Potsdam, Germany
Teemu Kanstrén, VTT Technical Research Centre of Finland - Oulu, Finland
Osamu Takaki, Gunma University, Japan
Georg Buchgeher, Software Competence Center Hagenberg GmbH, Austria

**ICSEA 2014 Industry/Research Chairs**

Herman Hartmann, University of Groningen, The Netherlands
Hongyu Pei Breivold, ABB Corporate Research, Sweden

**ICSEA 2014 Special Area Chairs**

**Formal Methods**
Paul J. Gibson, Telecom & Management SudParis, France

**Testing and Validation**

Florian Barth, University of Mannheim, Germany

**Web Accessibility**

Adriana Martin, National University of Austral Patagonia (UNPA), Argentina

**ICSEA 2014 Publicity Chairs**

Sébastien Salva, University of Auvergne, Clermont-Ferrand, France