

1st French Singaporean Workshop on Formal Methods and Applications

FSFMA'13, July 15–16, 2013, Singapore

Edited by

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■ Preface

We are pleased to present the proceedings of the 1st French Singaporean Workshop in Formal Methods and Applications (FSFMA) which will take place on July 15–16th, 2013 in Singapore, as a satellite event before the Eighteenth International Conference on Engineering of Complex Computer Systems (ICECCS 2013).

FSFMA 2013 aims at sharing research interests and launching collaborations in the area of formal methods and their applications. The scientific subject of the workshop covers areas such as formal specification, model checking, verification, program analysis/transformation, software engineering, and applications in major areas of computer science, including aeronautics and aerospace. It is hoped that this workshop will help to establish links between academic and industry scientists interested in methods and techniques for constructing reliable systems using formal methods.

The workshop consists in two keynote talks, the presentation of peer-reviewed papers (there are regular papers and PhD papers), and two panel discussions.

The keynote speakers are Laurent Fribourg (LSV, France), and Wei-Ngan Chin (NUS, Singapore). Laurent Fribourg is head of the Laboratoire de Spécification et Vérification (ENS de Cachan & CNRS, France), and his talk is about the use of formal techniques to analyse properties of dynamic systems. Wei-Ngan Chin is Associate Professor in the Department of Computer Science, National University of Singapore, and his talk is about improving the specification and verification processes.

The panel discussions will be on applications of formal methods, and on collaborations between academic and industry, in different countries.

We received 22 submissions (3 were removed, 10 regular papers and 9 PhD session papers), and selected 10 papers (3 regular papers, and 7 PhD session papers).

FSFMA 2013 is funded by the Merlion programme of the French Institute in Singapore of the French embassy in Singapore. The workshop is partially funded by the French Institute and the Singapore University of Technology and Design, with the additional support of the Laboratoire d'Informatique de Paris Nord (Sorbonne Paris Cité, Université Paris 13 & CNRS UMR 7030, France), the Nanyang Technology University (Singapore), the National University of Singapore (Singapore), and the kind participation of the Laboratoire de Spécification et Vérification (ENS de Cachan & CNRS, France).

We would like to thank all program committee members, subreviewers, authors and participants for their involvement to the success of the workshop. We would also like to warmly thank Aurélie Martin, Florent Beau and Pascal Loubière, from the French Institute in Singapore, for their helpful support.

Christine Choppy and Jun Sun
Chairs of FSFMA 2013



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