CfP: VECoS 2017

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Call for Papers

11th International Conference on Verification and Evaluation of Computer and Communication Systems

August 24-25, 2017 Montreal, Canada | https://vecos.ensta-paristech.fr/2017/

The VECoS conference series is interested in the analysis of computer and communication systems in which functional and extra-functional properties are inter-related. VECoS encourages the cross-fertilization between the various formal verification and evaluation approaches, methods and techniques, and especially those developed for concurrent and distributed hardware/software systems.

Topics of interest to the conference include, but are not limited to:

- Abstraction techniques
- Certification standards for real-time systems
- Compositional verification
- Correct-by-construction design
- Dependability assessment techniques
- Equivalence checking
- Model-checking
- Parameterized verification
- Performance and robustness evaluation
- Probabilistic verification
- QoS evaluation, planning and deployment
- RAMS (Reliability Availability Maintainability Safety) assessment
- Rigorous system design
- Security protocols verification
- Simulation techniques of discrete-event and hybrid systems
- Supervisory control
- Verification & validation of IoT
- Verification & validation of safety-critical systems
- Worst-case execution time analysis

Application areas of VECoS include: adaptive systems, communication protocols, computer-supported collaborative work systems, cloud computing, cyber-physical
systems, high performance computing, internet of things, logistics systems, manufactory of the future, mixed criticality systems, mobile and wireless networking, operations research, programming languages, real-time and embedded operating systems, service oriented systems, telecommunication systems, ubiquitous systems, web services, wireless sensor networks and workflow systems.

An overview of previous VECoS conferences can be found at: https://vecos.ensta-paristech.fr/
VECoS 2017 will be held August 24-25 in Montreal, Canada

Important Dates

- Abstract deadline: April 10, 2017
- Papers deadline: April 24, 2017 (Anywhere on Earth)
- Paper notification: May 29, 2017
- Camera-ready deadline: June 12, 2017
- Conference: August 24-25, 2017

Invited Speakers
We are very pleased to confirm the following invited speakers for VECoS 2017:

- Moura Debbabi, Concordia University, Montreal, Canada
- Michel Dagenais, Polytechnique Montreal, Canada
- Mengchu Zhou, NJIT, Newark, NJ, USA

General Information on Submissions
The conference proceedings will be published in the Springer-Verlag Lecture Notes in Computer Science series. Papers must be original work and not be submitted for publication elsewhere. Papers must be submitted electronically in PDF format using easychair system and should not exceed 15 pages using the Lecture Notes in Computer Science (LNCS) format.

At least one author of each accepted paper must attend VECoS 2017 to present.

Authors of selected papers will be invited to submit extended article versions in a special issue of Innovations in Systems and Software Engineering : A NASA Journal or of International Journal of Critical Computer-Based Systems

Organization
General Chairs
Ali Mili, New Jersey Institute of Technology, Newark, NJ, USA
Sofiene Tahar, Concordia University, Montreal, Quebec, Canada

Program Chairs
Kamel Barkaoui, CNAM, Paris, France
Hanifa Boucheneb, Polytechnique Montreal, Canada

**Organizing Committee Chair**
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Vladimir-Alexandru Paun, ENSTA ParisTech, Palaiseau, France

For more information, visit the conference website: [https://vecos.ensta-paristech.fr/2017/](https://vecos.ensta-paristech.fr/2017/)

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IEEE D&T CFP: Special Issue on Energy and Power Management for Electric Vehicles
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