

# VECoS 2017 - Call for Papers

11<sup>th</sup> International Conference on Verification and Evaluation of Computer and Communication Systems

August 24-25, 2017 Montréal, 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:

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

## Important Dates

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| <ul style="list-style-type: none"><li>● Abstract deadline: April 10, 2017</li><li>● Papers deadline: April 24, 2017 (Anywhere on Earth)</li><li>● Paper notification: May 29, 2017</li></ul> | <ul style="list-style-type: none"><li>● Camera-ready deadline: June 12, 2017</li><li>● Conference: August 24-25, 2017</li></ul> |
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## Invited Speakers

- [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](#)

## General Chairs

[Ali Mili](#), New Jersey Institute of Technology, Newark, NJ, USA  
[Sofiene Tahar](#), Concordia University, Montreal, Quebec, Canada

## Organizing Committee Chair

[Othmane Ait Mohamed](#), Concordia University, Montreal, Canada

## Program Chairs

[Kamel Barkaoui](#), CNAM, Paris, France  
[Hanifa Boucheneb](#), Polytechnique Montreal, Canada

## Publicity Chairs

[Belgacem Ben Hedia](#), CEA-LIST, Saclay, France  
[Vladimir-Alexandru Paun](#), ENSTA ParisTech, Palaiseau, France