



Delft University of Technology

## Welcome from the chairs

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# Welcome from the Chairs

Welcome to the first edition of the International Workshop on Machine Learning and Software Engineering in Symbiosis (MASES) to be held in Montpellier, France (September 3, 2018, co-located with ASE conference).

Major breakthroughs in Artificial Intelligence (AI) have raised strong interests from research and industry towards Machine Learning (ML), the discipline of AI that aims at building software that automatically learns from data. As a result, ML systems increasingly gain popularity and will soon proliferate in a broad range of domains. However, they also raise many questions, in particular regarding their reliable engineering. Conversely, recent advances in Software Engineering (SE) themselves rely on ML. Several software development activities can thus now benefit from AI-based assistance and we expect many more in the coming years. This workshop aims at bringing together the SE and ML communities to reflect on the potential symbioses between their respective disciplines. As such, it targets innovative ML applications improve SE practices, as well as new engineering methods for ML-based systems.

This year's MASES program covers papers tackling different SE problems (program similarity, autonomous systems, etc.) with ML techniques; the deployment of ML systems with SE techniques was also the subject of a paper. In total, MASES 2018 received 9 submissions and 7 out of these nine papers were accepted after a thorough review process. Each submission was reviewed by at least three members of the program committee. We are very glad to have Gaël Varoquaux (Researcher, INRIA Parietal) as a keynote speaker, who will talk about "Scikit-learn: Engineering high-quality machine-learning software with a community". Last but not the least, we sincerely thank the program committee members, authors, and participants who will make MASES an interesting and successful event! More information about the workshop can be found online: <https://mases18.github.io/>

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