

LowCode 2021 Workshop at MODELS 2021

October 12, 2021

Times are in UTC+2

10:00 - 10:45	Opening Keynote: Low-code: the good, the bad, and the ugly Eban Escott (https://codebots.com)
10:45 - 10:55	Break
10:55 - 13:00 (20mins presentation + 5 discussion for each paper)	<u><i>LCDP Experience reports</i></u> Barbara Lopes, Carla Ferreira and Sérgio Amorim. Solution Discovery over Feature Toggling with Built-in Abstraction in OutSystems Felicien Ihirwe, Arsene Indamutsa, Davide Di Ruscio, Silvia Mazzini and Alfonso Pierantonio Cloud-based modeling in IoT domain: a survey, open challenges and opportunities Fulya Gürcan and Gabriele Taentzer. Using PowerApps, Mendix and Outsystems in Two Development Scenarios: An Experience Report Alexander Bock and Ulrich Frank. In Search of the Essence of Low-Code: An Exploratory Study of Seven Development Platforms <u><i>Analysis and Validation (1/2)</i></u> Qurat Ul Ain Ali, Benedek Horváth, Dimitris Kolovos, Konstantinos Barmpis and Ákos Horváth. Towards Scalable Validation of Low-Code System Models: Mapping EVL to VIATRA Patterns
16:00 - 19:00 (20mins presentation + 5 discussion for each paper)	<u><i>Analysis and Validation (2/2)</i></u> Michiel Overeem and Slinger Jansen. Proposing a Framework for Impact Analysis for Low-Code Development Platforms Dominik Schneider and Alexander Weinert. Towards Automated Semantic Grouping in Workflows for Multi-Disciplinary Analysis <u><i>Low-Code Model Management</i></u>

	João Ramalho, Hugo Lourenço and João Costa Seco. From Builders to Editors: Bidirectional Transformations of Low-code Models Arsene Indamutsa, Juri Di Rocco, Davide Di Ruscio and Alfonso Pierantonio MDEForgeWL: Towards cloud-based discovery and composition of model management services <u>Low-Code development processes</u> Nitish Patkar, Andrei Chiş, Nataliia Stulova and Oscar Nierstrasz. Interactive Behavior-driven Development: a Low-code Perspective João Pacheco, Stoyan Garbatov and Miguel Goulão. Improving Collaboration Efficiency Between UX/UI Designers and Developers in a Low Code Platform <u>Discussion and Closing</u>
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Keynote

Title: Low-code: the good, the bad, and the ugly

Summary: Low-code has ignited the enterprise world on fire and attracted a lot of attention to Model-Driven Engineering (MDE). It has been able to empower citizen developers to build apps with minimal input from professional software developers. While we enjoy the attention to MDE, it stops short of fulfilling the vision of how far MDE can go. Like driving a car around in 1st gear, there are ways we can shift gears and take the high road and elevate innovation even further. In this keynote, we are going to look at how low-code is only just the beginning and how other technologies have the power to unlock a door into the future.

Speaker Bio: Dr Eban Escott is the founder of Codebots (<https://codebots.com>), a technology platform where you can train bots to write code in your preferred technology stack. He received his Doctorate from the University of Queensland, 2013, in Model-Driven Engineering and his Masters from the Queensland University of Technology, 2004, in Artificial Intelligence. He is an advocate of using models as first-class artefacts in software engineering and creating not just technologies, but methodologies that enhance the quality of life for software engineers.