EDITORIAL



Antonio Vallecillo

Stéphanie Challita¹ · Marsha Chechik² · Benoit Combemale¹ · Huseyin Ergin³ · Jeff Gray⁴ · Bernhard Rumpe⁵ · Martin Schindler⁵

Published online: 8 May 2025 © The Author(s) 2025

As we present this issue of the Journal of Software and Systems Modeling (SoSyM), we take a moment to acknowledge and celebrate the remarkable contributions of Professor Antonio Vallecillo. After decades of dedication to the field, Antonio is now retiring, leaving behind an impressive amount of results in software and systems modeling. He has been a cornerstone of our journal, serving as an editor almost from the very beginning of SoSyM's 25 year journey. He was always helpful as editor, advisor, and friend. His expertise, vision, and continuous commitment have significantly shaped not only the special section presented in this issue, but also the broader research community.

Antonio has played a long lasting and pivotal role in advancing the journal's mission, ensuring the highest standards of quality in published research, and fostering a strong sense of collaboration among researchers. His influence extends well beyond SoSyM; he has been a driving force in the development of modeling techniques, particularly in the domains of cyber-physical systems (CPSs), uncertainty

☑ Benoit Combemale benoit.combemale@sosym.org

> Stéphanie Challita stephanie.challita@sosym.org

Marsha Chechik marsha.chechik@sosym.org

Huseyin Ergin huseyin.ergin@sosym.org

Jeff Gray jeff.gray@sosym.org

Bernhard Rumpe bernhard.rumpe@sosym.org

Martin Schindler martin.schindler@sosym.org

- ¹ University of Rennes, Rennes, France
- ² University of Toronto, Toronto, ON, Canada
- Ball State University, Muncie, USA
- University of Alabama, Tuscaloosa, AL, USA
- ⁵ RWTH Aachen University, Aachen, Germany

in modeling, and artificial intelligence. His insightful contributions have left an indelible mark on the field, and he has been a role model for countless colleagues and students.



We are delighted that this issue features a special section titled "Uncertainty, Modeling, CPSs, and AI: Honoring Prof. Antonio Vallecillo." This special section highlights cutting-edge research in these areas, reflecting Antonio's impact and continued relevance in shaping the field. We look forward to celebrating his achievements through these contributions, which stand as a testament to the profound influence he has had, has and will have on our community.

On behalf of the entire editorial board and our readers, we extend our deepest gratitude to Antonio for his years of service, mentorship, and scholarship. We are certain that his insights and inspiration will continue to resonate in the years to come. We wish him all the best in his retirement and look forward to future collaborations and contributions in new and exciting ways.

Open Access This article is licensed under a Creative Commons Attribution 4.0 International License, which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons licence, and indicate if changes were made. The images or other third party material in this article are included in the article's Creative Commons licence, unless indicated otherwise in a credit line to the material. If material is not included in the article's Creative Commons licence and your





594 S. Challita et al.

intended use is not permitted by statutory regulation or exceeds the permitted use, you will need to obtain permission directly from the copyright holder. To view a copy of this licence, visit http://creativecomm.ors.org/licenses/by/4.0/.

Funding Open Access funding enabled and organized by Projekt DEAL.

Publisher's Note Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.

