

Dragos Truscan  
Mission Critical Software  
Information Technology  
Email: dragos.truscan@abo.fi  
Mobile: +358-407682644



## Employment

## Publications

- Enabling Fast Exploration and Validation of Thermal Dissipation Requirements for Heterogeneous CPU Platforms.** / Öhrling, Joel; Truscan, Dragos; Lafond, Sébastien.  
IEEE Eighth International Conference on Software Testing, Verification and Validation Workshops (ICSTW) 2021. IEEE, 2021.  
Publication: Chapter in Book/Conference proceeding > Conference contribution > Scientific > peer-review
- Using Deep Reinforcement Learning for Exploratory Performance Testing of Software Systems with Multi-Dimensional Input Spaces.** / Ahmad, Tanwir; Ashraf, Adnan; Truscan, Dragos; Domi, Andi; Porres, Ivan.  
In: IEEE Access, 2020.  
Publication: Contribution to journal > Article > Scientific > peer-review
- Message from ITEQS 2020 Workshop Chairs.** / Saadatmand, Mehrdad; Truscan, Dragos; Enoiu, Eduard.  
2 p. IEEE. 2020.  
Publication: Other contribution > peer-review
- Applying Test-Driven Development for Improved Feedback and Automation of Grading in Academic Courses on Software Development.** / Truscan, Dragos; Ahmad, Tanwir; Tran, Cuong.  
Frontiers in Software Engineering Education. ed. / J Bruel; A Capozucca; M Mazzara; B Meyer; A Naumchev; A Sadovykh. Springer, 2020. p. 310–323.  
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- Applying Test-driven Development to Evaluating Student Projects.** / Tran, Cuong; Truscan, Dragos; Ahmad, Tanwir.  
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- A Tool-Supported Approach for Building the Architecture and Roadmap in MegaM@Rt2 Project.** / Sadovykh, Andrey; Bagnato, Alessandra; Truscan, Dragos; Pierini, Pierluigi; Bruneliere, Hugo; Gómez, Abel; Cabot, Jordi; Avila-García, Orlando; Afzal, Wasif.  
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- Automatic exploratory performance testing using a discriminator neural network.** / Porres, Ivan; Ahmad, Tanwir; Rexha, Hergys; Lafond, Sébastien; Truscan, Dragos.  
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- MegaM@Rt2 EU Project : Open Source Tools for Mega-Modelling at Runtime of CPSs.** / Cruz, Jesus Gorroñogoitia; Sadovykh, Andrey; Truscan, Dragos; Bruneliere, Hugo; Pierini, Pierluigi; Muñoz, Lara Lopez.  
Open Source Systems : 16th IFIP WG 2.13 International Conference, OSS 2020, Proceedings. ed. / Vladimir Ivanov; Artem Kruglov; Sergey Masyagin; Alberto Sillitti; Giancarlo Succi. Springer Link, 2020. p. 183-189 (IFIP Advances in Information and Communication Technology; Vol. 582 IFIP).  
Publication: Chapter in Book/Conference proceeding > Conference contribution > Scientific > peer-review
- Time semantics of executable activity diagrams for relativized conformance testing.** / Iqbal, Junaid; Truscan, Dragos; Vain, Juri.  
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- On a tool-supported model-based approach for building architectures and roadmaps: The MegaM@Rt2 project experience.** / Sadovykh, A; Afzal, W; Truscan, Dragos; Pierini, P; Bruneliere, H; Bagnato, A; Gómez, A; Cabot, J; Avila-García, O.  
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11. **Model-based testing using UML activity diagrams: A systematic mapping study.** / Ahmad, Tanwir; Iqbal, Junaid; Ashraf, Adnan; Truscan, Dragos; Porres Paltor, Ivan.  
In: Computer Science Review, Vol. Volume 33, 2019, p. 98–112.  
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16. **MegaM@Rt2 Project: Mega-Modelling at Runtime - Intermediate Results and Research Challenges.** / Sadovykh, A; Truscan, Dragos; Afzal, W; Bruneliere, H; Ashraf, Adnan; Gómez, A; Espinosa, A; Widforss, G; Pierini, P; Fournier, E; Bagnato, A.  
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17. **On the Use of Hackathons to Enhance Collaboration in Large Collaborative Projects : A Preliminary Case Study of the MegaM@Rt2 EU Project.** / Sadovykh, Andrey; Truscan, Dragos; Pierini, Pierluigi; Widforss, Gunnar; Ashraf, Adnan; Bruneliere, Hugo; Smrz, Pavel; Bagnato, Alessandra; Afzal, Wasif; Espinosa Hortelano, Alexandra.  
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19. **The MegaM@Rt2 ECSEL project : MegaModelling at Runtime – Scalable model-based framework for continuous development and runtime validation of complex systems.** / Afzal, Wasif; Bruneliere, Hugo; Di Ruscio, Davide; Sadovykh, Andrey; Mazzini, Silvia; Cariou, Eric; Truscan, Dragos; Cabot, Jordi; Gómez, Abel; Gorroñoigoitia, Jesús; Pomante, Luigi; Smrz, Pavel.  
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20. **Model-Based System Engineering in Practice: Document Generation - MegaM@Rt2 Project Experience.** / Sadovykh, Andrey; Ashraf, Adnan; Bagnato, Alessandra; Truscan, Dragos; Pierini, Pierluigi; Bruneliere, Hugo; Avila-Carcia, Orlando; Afzal, Wasif.  
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25. **The MegaM@Rt2 ECSEL Project – MegaModelling at Runtime – Scalable Model-based Framework for Continuous Development and Runtime Validation of Complex Systems.** / Afzal, Wasif; Bruneliere, Hugo; Di Ruscio, Davide; Sadovykh, Andrey; Mazzini, Silvia; Cariou, Eric; Truscan, Dragos; Cabot, Jordi; Field, Daniel; Pomante, Luigi; Smrz, Pavel.  
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33. **Scenario-based Design and Validation of REST Web Service Compositions.** / Rauf, Irum; Siavashi, Faezeh; Truscan, Dragos; Porres Paltor, Ivan.  
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## Activities

**4th International Workshop on Testing Extra-Functional Properties and Quality Characteristics of Software Systems**  
Mehrdad Saadatmand (Chair), Dragos Truscan (Chair) & Eduard Paul Enoiu (Chair)  
24 Oct 2020

**Model-based testing framework for autonomous multi-robot systems**  
Dragos Truscan (Examiner)  
3 Jul 2020

## Awards

**VeriDevOps**  
Truscan, D.  
EU H2020: €457,995.00  
01/10/20 → 30/09/23

## Projects

**VeriDevOps: Automated Protection and Prevention to Meet Security Requirements in DevOps Environments**  
Truscan, D., Porres Paltor, I., Ashraf, A., Ahmad, T., Chariyarupadannayil Sudheerbabu, G. & Chapagain, S.  
EU H2020  
01/10/20 → 30/09/23

**D-Mint: Deployment of Model-Based Technologies to Industrial Testing**  
Truscan, D., Lilius, J., Porres Paltor, I. & Abbors, F.  
01/01/07 → 31/12/09

**AutoSys: Development of High-Assured Autonomous Systems**  
Lafond, S. & Truscan, D.  
NORDPLUS  
15/06/15 → 31/10/19

**MegaM@Rt2: MegaModelling at Runtime**  
Truscan, D., Ahmad, T., Iqbal, J., Porres Paltor, I., Siavashi, F. & Ashraf, A.  
ECSEL JU  
01/04/17 → 31/03/20



**MICAS: Model-Driven Architecture In Co-design Architectures**

Lilius, J., Porres Paltor, I. & Truscan, D.

01/01/04 → 31/12/05

**N4S: Need for Speed**

Porres Paltor, I., Nybom, K., Truscan, D., Ashraf, A., Troubitsyna, E., Byholm, B., Rauf, I. M. & Ahmad, T.

01/01/14 → 31/12/16

**NISS: Nordic Master Programme in Intelligent Software Systems**

Truscan, D. & Lafond, S.

Nordic Master - Nordic Council of Ministers

01/01/17 → 31/12/22

**PECOS: Power and Energy Consumption Testing for NoTA Devices**

Lilius, J., Porres Paltor, I. & Truscan, D.

01/09/06 → 30/06/08

**PAM: Practical Applications of Model-based technologies to continuous integration & testing methodologies**

Truscan, D., Ahmad, T., Iqbal, J., Porres Paltor, I. & Siavashi, F.

01/01/12 → 31/12/15

**Recomp: Reduced Certification Costs Using Trusted Multi-core Platforms**

Lilius, J., Lafond, S., Truscan, D. & Porres Paltor, I.

01/01/10 → 31/03/13

**Research on Software Testing**

Porres Paltor, I., Truscan, D., Ahmad, T. & Ashraf, A.

01/01/00 → ...