



Federated Conference  
on Computer Science  
and Information Systems

FedCSIS 2016  
September 11-14  
Gdańsk, Poland

## 4<sup>th</sup> Workshop on Model Driven Approaches in System Development (MDASD 2016)

**MDASD**  
Model Driven Approaches  
in System Development

URL: <https://fedcsis.org/2016/mdasd>

### General Information

For many years, various approaches in system design and implementation differentiate between the specification of the system and its implementation on a particular platform. People in software industry have been using models for a precise description of systems at the appropriate abstraction level without unnecessary details. Model-Driven (MD) approaches to the system development increase the importance and power of models by shifting the focus from programming to modeling activities. Models may be used as primary artifacts in constructing software, which means that software components are generated from models. Software development tools need to automate as many as possible tasks of model construction and transformation requiring the smallest amount of human interaction.

A goal of the proposed workshop is to bring together people working on MD languages, techniques and tools, as well as Domain Specific Languages (DSL) and applying them in the requirements engineering, information system and application development, databases, and related areas, so that they can exchange their experience, create new ideas, evaluate and improve MD approaches and spread its use. The intention is to target an interdisciplinary nature of MD approaches in software engineering, as well as research topics expressed by but not limited to acronyms such as Model Driven Software Engineering (MDSE), Model Driven Software Development (MDSD), Domain Specific Modeling (DSM), and OMG's Model Driven Architecture (MDA).

1<sup>st</sup> Workshop on MDASD was organized in the scope of ADBIS 2010 Conference, held in Novi Sad, Serbia. From 2012, MDASD becomes a regular bi-annual FedCSIS event.



Gdańsk, Poland

## Topics

Submissions are expected from, but not limited to the following topics:

- MD Approaches in System Design and Implementation – Problems and Issues
- MD Approaches in Software Process Models
- MD Approaches in Databases and Information Systems
- MD Approaches in Software Quality and Standards
- Metamodeling, Modeling and Specification Languages
- Model Transformation Languages
- Model-to-Model, Model-to-Text, and Model-to-Code Transformations in Software Process
- Transformation Techniques and Tools
- Domain Specific Languages (DSL) and Domain Specific Modeling (DSM) in System Specification and Development
- Design of Metamodeling and Modeling Languages and Tools
- MD Approaches in Requirements Engineering and Business Process Modeling
- MD Approaches in System Reengineering and Reverse Engineering
- MD Approaches in HCI development
- MD Approaches in GIS development
- MD Approaches in Document Engineering
- Model Based Software Verification
- Theoretical and Mathematical Foundations of MD Approaches
- Organizational and Human Factors, Skills, and Qualifications for MD Approaches
- Teaching MD Approaches in Academic and Industrial Environments
- MD Applications and Industry Experience

## Paper Submission and Publication

- Authors should submit draft papers (as Postscript, PDF or MSWord file).
- The total length of a paper should not exceed 10 pages (IEEE style).
- Papers will be refereed on the basis of their scientific merit and relevance to the workshop.
- Only papers presented at the conference will be published in Conference Proceedings and submitted for inclusion in the [IEEE Xplore® database](#). Conference proceedings will be published in a volume with ISBN, ISSN and DOI numbers.
- Proceedings will be indexed in [BazEkon](#) and submitted for indexation in: [Thomson Reuters - Conference Proceedings Citation Index](#), [SciVerse Scopus](#), [Inspec](#), [Index Copernicus](#), [DBLP Computer Science Bibliography](#) and [Google Scholar](#).
- Extended versions of selected papers presented during the conference will be published in the journals: ComSIS, ISI IF(2014) = 0.477, [www.comsis.org](http://www.comsis.org), and COMLAN, ISI IF(2014) = 0.440, <http://www.journals.elsevier.com/computer-languages-systems-and-structures/>.
- Organizers reserve right to move accepted papers between FedCSIS events.

## Important Dates

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|------------------------------|--------------------------|
| • Full paper submission:     | <b>April 18, 2016</b>    |
| • Position paper submission: | <b>May 30, 2016</b>      |
| • Acceptance notification:   | <b>June 13, 2016</b>     |
| • Final paper submission:    | <b>July 4, 2016</b>      |
| • Conference:                | <b>Sept. 11-14, 2016</b> |

## More information

- About FedCSIS 2014: <http://www.fedcsis.org>
- About MDASD 2014: <https://fedcsis.org/2016/mdasd>



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