



In collaboration with the MB4SE advisory group, the European Space Agency (ESA), the German Aerospace Centre (DLR), OHB System, and the Bremen City University of Applied Sciences are thrilled to announce the fifth edition of the Model-based Space Systems and Software Engineering workshop – MBSE 2024!

Dates: Tuesday, 28 May, to Wednesday, 29 May 2024

Location: Dorint City-Hotel, Bremen, Germany

This two-day workshop aims to serve as a gathering point for industry experts, researchers, and practitioners to explore the current developments in Model-based Space Systems and Software Engineering.

What to Expect:

Innovative Discussions: Join us for insightful discussions on the latest advancements in Space System Architecting and Software Engineering.

Practical Insights: Exchange experiences, share lessons learned, and explore practical applications of model-based techniques.

Networking Opportunities: The workshop fosters an environment for exchange. Connect with professionals and peers who share your passion for pushing the boundaries of space systems engineering.

Don't miss this unique opportunity to contribute to the collective knowledge in the field. Submit your short papers and be a part of shaping the future of Model-based Space Systems and Software Engineering!

Motto and Objectives:

Bridging Legacy and Digital Frontiers: Elevating MBSE for Enduring Success in the Evolution of Space Systems Engineering.

- Optimizing MBSE Applications and Sustainability in Space Mission Design
- Enhancing Downstream Applications and Collaborative MBSE Efforts
- Addressing Advancements, Limitations, and Customization of MBSE Approaches in Space
- Visualizing and improving organizational Implementation, Digital Workflow, and Standards for MBSE in Space
- Discussing Innovative Approaches to MBSE and Future Vision in Space

Key Dates:

- Submission Deadline: Friday, 09 February 2024 (EoB)
- Notification of Acceptance: Wednesday, 28 February 2024

Best Paper Award:

Outstanding contributions will be recognized with an MBSE 2024 Best Paper Award. This accolade acknowledges excellence in both research and application.

Journal Publication Opportunity:

After review, a select number of papers will be offered the unique opportunity to be published in the renowned CEAS Space Journal (Springer), the official journal of the Council of European Aerospace Societies, thus amplifying the impact and reach of your research or practical work.

Submission Guidelines:

All submitted short papers (original and not published or proposed elsewhere, ranging from four to six pages A4 in size) will undergo peer review by a committee of field experts. Given the competitiveness of our past events, we encourage authors to focus on quality and thorough preparation. Submission deadline for the paper is Friday, 09 February 2024. In case your contribution is selected, you may be asked to adjust your short paper based on the reviewers' comments. The final version must be available no later than 31 March 2024. Papers selected for the CEAS Space journal will be processed after the workshop according to the specific journal content and formatting requirements. Please consider the following requirements for your paper:

- Use the Springer Lecture Notes in Computer Science (LNCS) formatting templates that are available on the workshop website
- Clearly reference the applicable workshop objective(s) on the first line of the paper.
- Ensure that contributions (e.g. paper and presentation) are cleared for publication by the employer, or any other party involved.
- Consent to the recording and publication of both the talk and paper on the conference website.
- Cross-submission to SECESA 2024 is allowed if contributions' focus is non-overlapping.

Please submit the final PDF version of your contribution via the conference website (<https://mbse2024.welcome-manager.de/>) before the submission deadline. Submissions via email are not accepted. Accepted contributions are expected to be presented on-site. Early registration and employer publication consent are mandatory for inclusion in the final workshop program.

Keynote Speakers:

Eminent figures in (space) systems engineering and MBSE will deliver keynote addresses, providing invaluable perspectives and shaping the discourse on the future of space systems development. Moreover, the workshop will feature panel sessions, tool presentations, discussion sessions, and a hackathon. Stay tuned for more details on the event website.

Contact Information:

For inquiries and submission details, kindly reach out to mbse2024@dlr.de.

Feel free to share this call for contributions with others in your network who may be interested in contributing to the success of MBSE 2024! Your commitment to advancing the frontiers of knowledge in Model-based Systems Engineering is pivotal. We look forward to your contribution to the collective pursuit of excellence in space systems development.

#MBSE2024 #ESA #SpaceEngineering #SpaceInnovation #ModelBasedSystemsEngineering