ACSMO 2026

Asian Congress of Structural and Multidisciplinary Optimization 2026

May 17-21, 2026 / BEXCO, Busan, Korea

www.acsmo2026.org

Welcome to ACSMO 2026

On behalf of the Organizing Committee, we are delighted to welcome you to the Asian Congress of Structural and Multidisciplinary Optimization 2026 (ACSMO 2026), which will be held in Busan, Korea, from May 17 to 21, 2026.

Busan, the second-largest city in Korea, is a dynamic coastal metropolis known for its stunning beaches, scenic mountains, and rich cultural heritage. We hope you will take this opportunity not only to engage in fruitful academic discussions but also to experience the beauty and hospitality of Busan.

We sincerely look forward to welcoming you to Busan in May 2026 for an exciting and memorable ACSMO 2026.

Byeng Dong YOUN, Professor
Seoul National University
General Chair of ACSMO 2026

Important Dates

Deadline of Abstract Submission
January 30, 2026

Acceptance Notification
March 13, 2026

Registration Deadline for Presenters
March 27, 2026

Deadline for Early Registrations
March 27, 2026

Deadline for Regular Registrations
May 8, 2026

Committee Members

General Chair
Byeng Dong Youn,
Seoul National Univ., Korea

General Co-Chairs
Yoshihiro Kanno, The Univ. of Tokyo, Japan
Gang Li, Dalian Univ. of Technology, China

Organizing Committee
Ikjin Lee, KAIST, Korea
Gilho Yoon, Hanyang Univ., Korea
Kwan Jung Yee, Seoul National Univ., Korea
Gang-Won Jang, Sejong Univ., Korea
In Gwun Jang, KAIST, Korea

Conference Topics

1. Optimization Methods
1.1 Optimization theory and algorithms
1.2 Design sensitivity analysis and global optimization
1.3 Parallel, grid, and high-performance computing in optimization
1.4 Multi-objective optimization
1.5 Heuristic and evolutionary methods

2. Structural Optimization
2.1 Size optimization
2.2 Shape optimization
2.3 Topology optimization: theory and methodology
2.4 Topology optimization: applications

3. AI based Analysis and Optimization
3.1 Artificial intelligence, machine learning, and deep learning
3.2 Generative design
3.3 Agent- and LLM-based analysis and design
3.4 Physics-informed AI modeling

4. Design under Uncertainty
4.1 Uncertainty quantification and propagation
4.2 Reliability analysis and reliability-based design optimization
4.3 Robust design optimization
4.4 Model verification and validation
4.5 Time-dependent reliability analysis and design

5. Approximations, Surrogates, and Metamodeling
5.1 Approximation techniques
5.2 Surrogate-based design optimization
5.3 Error and convergence study
5.4 Model order reduction and benchmarking studies

6. Multidisciplinary Design Optimization
6.1 Decomposition methods
6.2 Coordination strategies (architectures)
6.3 MDO applications

7. Optimization in Engineering Applications
7.1 Aerospace, automotive, and mobility systems
7.2 Architectural, civil, and structural engineering
7.3 Mechanical, manufacturing, and process engineering
7.4 Bioinspired, biomedical, and healthcare systems
7.5 Energy, environmental, and sustainable technologies
7.6 Smart and advanced systems

8. Other Related Topics for Optimization

Abstract Submission Guideline

Authors are invited to submit one-page abstract in English by January 30, 2026. The abstract should be submitted via official online website (www.acsmo2026.org). All abstracts will be reviewed by the scientific committee and accepted papers will be assigned to appropriate sessions for presentations at the conference. At least one of the authors must register for ACSMO2026 for the abstract to be included in the proceedings.

Registration Fee

Category	Early Registration (~March 27, 2026)	Regular Registration (~May 8, 2026)	On-site Registration
Regular	USD 500 / KRW 650,000	USD 600 / KRW 800,000	USD 700 / KRW 950,000
Student	USD 350 / KRW 450,000	USD 420 / KRW 550,000	USD 500 / KRW 650,000

* Accompanying person fee: USD 100 / KRW 140,000
(Includes admission to banquet and tour only)

Venue

BEXCO, Busan, Korea
#55 APEC-ro, Haeundae-gu, Busan (Postal Code 48060)

Contact Information

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