WIT CONFERENCES
Call for Papers

First Round Announcement

BEM/MRM 48

48th International Conference on Boundary Elements and other Mesh Reduction Methods

https://BEM-MRM48.dlut.edu.cn

15th-18th October 2026, Dalian, China

Conference Affiliated with
Wessex Institute of Technology, UK

Organised by
Dalian University of Technology, CHINA

Sponsored by
State Key Laboratory of Structural Analysis, Optimization and CAE Software for Industrial Equipment, CHINA

Objectives

The International Conference on Boundary Elements and other Mesh Reduction Methods (BEM/MRM), founded by the Wessex Institute of Technology (WIT) in 1978, has consistently attracted outstanding researchers and high-quality papers from around the world. The 48th Edition of the conference (BEM/MRM 48) will be held in Dalian, China, as an affiliated conference of WIT.

Since 1978, the conference has advanced numerical methods for engineering applications that reduce modeling dimensions, such as the Boundary Element Method, or reduce meshing requirements for discretization, such as meshless methods. The conference welcomes all academic and industrial stakeholders interested in these methods, and particularly the participation of young researchers.

The conferences have produced a collection of edited volumes in which major developments in the field have been reported. The valuable series has been offered in digital form since 1993, with all papers Open Access available in the Wessex Institute's eLibrary website (www.witpress.com/elibrary), where they can be easily accessed and downloaded for free.

Conference Topics

The following list covers some of the topics that can be presented at BEM/MRM 48. Papers on other subjects related to the objectives of the conference are also welcome.

1. Boundary element method
2. Method of fundamental solutions
3. Trefftz methods
4. Boundary integral equations
5. Boundary node method
6. Displacement discontinuity method
7. Fast multipole method
8. Differential quadrature method
9. Panel method
10. Charge method
11. Element Free Galerkin method
12. Meshless local Petrov-Galerkin method
13. Radial basis function collocation method
14. Radial point interpolation method
15. Scaled boundary finite element
16. Numerical manifold method
17. Peridynamics
18. Finite point method
19. Advanced computational mathematics
20. Advanced finite difference method
21. Generalized finite difference method
22. Advanced finite element method
23. Generalized finite element method
24. Extended finite element method
25. Smoothed finite element method
26. Radial basis function-finite difference method
27. Discrete element method
28. Smoothed particle hydrodynamics
29. Material point method
30. Reproducing kernel particle method
31. Other particle methods
32. Physics Informed Neural Networks

33. Artificial intelligence and machine learning

Conference Chairs

Alexander H.–D. Cheng, University of Mississippi, USA & WIT Board of Directors, UK

Xiao-Wei Gao, Dalian University of Technology, China

Stavros Syngellakis, Wessex Institute, UK

Conference Vice Chairs

Haibo Chen, University of Science and Technology of China, China

Yijun Liu, Southern University of Science and Technology, China

Xiong Zhang, Tsinghua University, China

Moubin Liu, Peking University, China

Dongdong Wang, Xiamen University, China

Jianming Zhang, Hunan University, China

Zhongxian Liu, Tianjin Chengjian University, China

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Hong Zheng	Beijing University of Technology, China
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Local Organizing Committee

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Vice Chairs: Haifeng Peng, Miao Cui, Kai Yang, Jun Lv

Secretaries: Huayu Liu, Weizhe Feng, Bo Ruan

Conference City

Dalian, known as the "Oriental Pearl" and the "City of Romance," is a coastal gem in northeastern China where rich culture and stunning nature come together. It's a top international spot, blending history, art, and modern vibes—perfect for cultural exchange and tourism.

October is the best time to visit! The weather is mild, and outdoor spots like Russian Street, Xinghai Square, and Binhai Road (with its amazing Yellow Sea views) shine even brighter. Museums and galleries show off East-West influences, while Lvshun Old Town's historic buildings and autumn-colored streets feel like stepping into a storybook. Don't miss the fall foliage at Xijiazi Red Maple Valley or Xijiao National Park, plus local seafood markets and art fairs. Whether you're exploring history, enjoying nature, or tasting treats, Dalian promises an unforgettable trip!

Conference Venue & Accommodations

Hilton Dalian
1 Gangpu Rd Zhongshan District, Dalian, 116001, China
The conference will take place at the hotel **Hilton Dalian**, located in East Harbor CBD. The hotel is near the Dalian International Conference Center, the marina, music fountain, and recreational boardwalk. The Galleria Shopping Mall and Zhongshan Square are within two kilometers. The Metro is a 10-minute walk away, and Dalian International Airport is a 30-minute driving. Participants can enjoy the hotel's heated indoor pool and Executive Lounge.

www.hilton.com

Important Dates

Abstract Submission Deadline: **May 31th, 2026**
Abstract Acceptance Notice: **June 15th, 2026**
Early-Bird Registration: **June 30th, 2026**
Hotel Reservation Deadline: **September 30th, 2026**
On-Site Registration: **October 15th, 2026**
Conference Date: **October 16-18th, 2026**

Abstract submission information

The abstract template could be downloaded from conference website:
https://BEM-MRM48.dlut.edu.cn

Publications

After the conference, papers presented at BEM/MRM 48 will be selected and enhanced to be published on a Special Issue in Engineering Analysis with Boundary Element Methods through a double peer-reviewed by members of the International Scientific Advisory Committee and other experts.

Visa Application

The local organizing committee will offer the certification to help you get the visa to attend the conference in Dalian, China. Visa application takes time. Please act early.

Contact Information

For inquiries, please send emails to: bemmrm48@dlut.edu.cn

Tel： Haifeng Peng +86 15842652176 Na Li +86 18642816061