

4th Conference of Computational Methods & Ocean Technology (COTech 2023)

Call for Papers

The aim of this COTech conference is to provide a platform for academics and professionals in application of computational methods in diverse disciplines listed below to **come together, present their recent works in the areas, exchange ideas, and establish professional networks**. It will serve as a forum for a multidisciplinary research dissemination and bring together Norwegian and invited foreign researchers to enable them to exchange their research experience and share their results within application of computational methods in design, analysis and simulation of offshore/ocean systems and structures, Oil & Gas Technology areas and related disciplines.

Conference Topic Areas:

The conference will be organized under the following eight selected main topics.

1. Wind Engineering and Industrial Aerodynamics

Topic coordinators:

Assoc. Prof. Charlotte Obhrai (charlotte.obhrai@uis.no)

Assoc. Prof. Knut Erik Giljarhus (knut.e.giljarhus@uis.no)

2. Advanced Computational Methods and Applications in Marine, Subsea and Offshore Technology

Topic coordinators:

Prof. Yihan Xing (Yihan.xing@uis.no)

Dr. Guang Yin (guang.yin@uis.no)

3. Computational Mechanics and Structural Integrity

Topic coordinators:

Prof. Dimitrios G. Pavlou (dimitrios.g.pavlou@uis.no)

Prof. Sudath C. Siriwardane (sasc.siriwardane@uis.no)

Dr. Tiago J.F.M. Ferradosa (tferradosa@fe.up.pt)

4. Structural Safety, Integrity Management and Life Extension of Structures

Topic coordinators:

Adj. Prof. Gerhard Ersdal (Gerhard.ersdal@uis.no)

Assoc. Prof. Yanyan Sha (Yanyan.sha@uis.no)

5. Cold Climate Region Technology

Topic coordinator: **Prof. Emeritus Ove T. Gudmestad**
(otgudmestad@gmail.com)

6. Materials, Corrosion and Battery Technology

Topic coordinator:

Prof. Tor H. Hemmingsen (tor.hemmingsen@uis.no)

7. Smart Operations and Maintenance

Topic coordinators:

Assoc. Prof. Idriss El-thalji (Idriss.el-thalji@uis.no)

Prof. Yiliu Liu (yiliu.liu@ntnu.no)

8. Design Optimization, Additive Manufacturing Technologies & Applications

Topic coordinators:

Prof. Hirpa G. Lemu (hirpa.g.lemu@uis.no)

Prof. Andrés García Granada
(andres.garcia@iqs.url.edu)

9. Smart Energy Storage, Integration and Utilization

Topic coordinator:

Prof. Mohsen Assadi (mohsen.assadi@uis.no)

Important dates

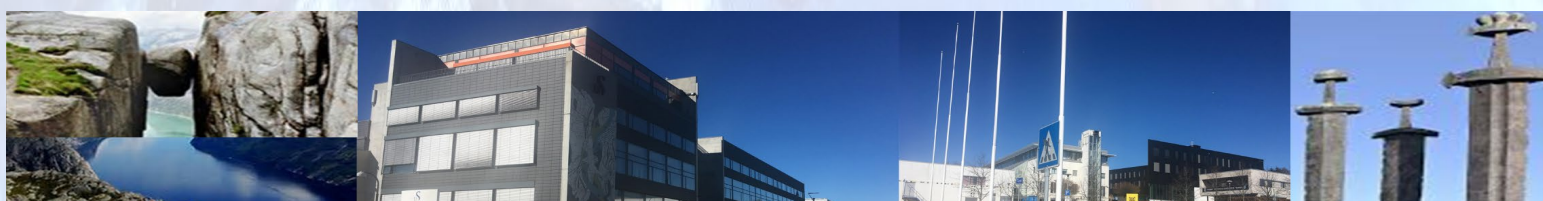
- Submission of abstracts (optional): July 31, 2023
- Submission of full manuscript: Sept. 15, 2023
- Completion of review work: Sept. 30, 2023
- Resubmission of revised manuscript: Oct. 15, 2023

- **Conference date:** Nov.30 – Dec. 1, 2023

For updated information, please refer to: <http://www.ux.uis.no/COTech/CFP.htm>

Conference venue:

The conference will be held at University of Stavanger, Kjølvs Egelandshus, Block E. Virtual presentation options will be considered for those unable to physically present.



Members of Organizing Committee

Prof. Hirpa G. Lemu	Hirpa.g.lemu@uis.no
Prof. Dimitrios Pavlou	Dimitrios.pavlou@uis.no
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Prof. Yihan Xing	yihan.xing@uis.no
Assoc. Prof. Ove Mikkelsen	Ove.mikkelsen@uis.no

Invited Keynote Speakers

Prof. Mohammed Pourkashanian, University of Sheffield, UK
Prof. Nicholas Fantuzzi, University of Bologna, Italy
Prof. Asfaw Beyene, San Diego State University, USA
Prof. Odne Burheim, Norwegian University of Science and Technology, NTNU, Norway
Prof. Jayantha Prasanna Liyanage, University of Stavanger, Norway

International Scientific Committee Members

Prof. Henning Agerskov, Technical University of Denmark (DTU), Denmark
Ass. Professor Paul Akangah, North Carolina A&T State University, USA
Assoc. Prof. Vladimir P. Balitskiy, Gubkin Oil & Gas University, Russia
Prof. Kostas Belibassakis, National Technical Univ. of Athens, Greece
Prof. Robert Brown, Memorial Univ. of Newfoundland, Canada
Prof. Nianzhong Chen, University of Newcastle, UK
Prof. Sreekanta Das, University of Windsor, Canada
Prof. David Fuhrman, Technical University of Denmark (DTU), Denmark
Prof. Andrés García Granada, Industrial Engineering, IQS School of Engineering
Prof. Chan Ghee Koh, National Univ. of Singapore (NUS), Singapore
Prof. Hrvoje Jasak, University of Zagreb, Croatia
Prof. Håkan Nilsson, Chalmers University of Technology, Sweden
Assoc. Prof. Stylianos Markolefas, Technical Univ. of Central Greece, Greece
Assoc. Prof. Pantelis Nikolakopoulos, University of Patras, Greece
Dr. Piotr Omenzetter, University of Aberdeen, UK
Prof. Stefanos Zaoutsos, Technological Educational Institute of Thessaly, Greece
Dr. Theodosios Papathanasiou, Brunel University, London, UK
Prof. Demosthenes Polyzos, University of Patras, Greece
Prof. Raviliy Safieva from Gubkin Oil & Gas University, Russia
Dr. Srinivas Sriramula, University of Aberdeen, UK
Ass. Prof. Hodjat Shiri, Memorial Univ. of Newfoundland, Canada

Submission requirements:

- Abstract: max. 150 words and final manuscript: 10 pages.

Use this link to submit abstract: <https://indico.uis.no/event/29/abstracts/#submit-abstract>

Conference fee:

The conference is partly funded by ISP (Institute Strategic Program of Faculty of Science and Technology, UiS). Hence, the fee for each article is only 250 €. This covers online publication fee (open access), two lunches, one conference dinner, excursion and other administrative costs. The fee for virtual participation is 150 € and covers publication fee and other administrative costs.

Publication of Proceeding:

All accepted articles by COTech 2023 conference will be published in Proceedings by

IOP Conference Series – Materials Science and Engineering, indexed by several

databases including [Google Scholar](#), [Web of Science](#), [Inspec](#), [EBSCO](#), etc. It is also approved as [Level 1](#) in the Norwegian Register for Scientific Journals, Series and Publishers (<https://kanalregister.hkdir.no/publiseringsskanaler/Forside>)

After the conference, authors of selected articles will be requested to expand their article for publication in a special issue in collaboration with journals with good ranking in the field, provided that sufficient number of articles are submitted.

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Materials Science and Engineering (MSE)

<https://iopscience.iop.org/journal/1757-899X>