

18th Society and Materials (SAM) International Conference

2nd Circular & Call for Abstracts

Jönköping University, Jönköping, Sweden
14-15 May 2024



Society and Materials

The 18th Society and Materials conference, SAM18, will take place on May 14th & 15th 2024, in Jönköping, Sweden.

For more than **18 years**, SAM conferences have been an international forum for exchanging on new methodologies, new concepts and new issues that connect materials and society from different perspectives, ranging from social to engineering sciences.

As such, they have been a laboratory for thought and for knowledge experiments, which have produced about **800 papers** and introduced some of the best intuitions in these areas - which were then further developed elsewhere.

Issues and questions sitting at the heart of contemporary societal challenges and of expected paradigm shifts are also being covered as a kind of application lab.

Some special disciplines like Material Flow Analysis or Life Cycle Assessment, have been an important part of the meetings, as long as they were focusing on new directions and on innovative methodologies.

More scientific approaches, driven by social science, economics or materials science have also been presented. The focus was always on pluridisciplinarity and interdisciplinarity.

The **18th edition** should reflect the same level of curiosity, inquisitiveness, intellectual boldness and innovative thinking as the previous ones!

Main conference themes

Scientific approaches

- New developments in Life Cycle Assessment, Material Flow Analysis and other methodologies
- New social, economic, environmental and sustainability indicators
- Internalization of societal and environmental externalities into the economy
- Eco-design and eco-innovation
- Circular economy and sustainable business models
- Responsible research and innovation on materials
- Governance, public and social engagement
- Gender issues, material culture and society
- Open science, citizen science, scientific citizenship and materials research
- SSH contributions about energy and materials
- Life-long learning initiatives related to materials' sustainability issues

Fields of application



Climate change



Energy transition



Materials and battery



E-mobility



Sustainability



Sustainable City & Infrastructures



Circular economy



Industrial symbiosis



Manufacturing & end-of-life processes



Ecosystem & land use



Biodiversity



Air quality



Health



Water

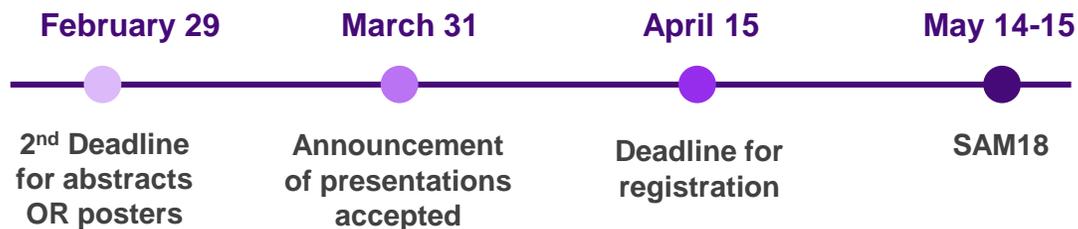
Abstract submission

Proposals for presentations should be sent as abstracts by email to sam.conference@arcelormittal.com and jean-pierre.birat@ifsteelman.eu by February 29th, 2024.

The abstract template is attached.

Authors will be notified of abstract approval and selection as an oral presentation or a poster. Presentations will be posted online. It is also possible to submit articles, which would be peer-reviewed to be published by *Matériaux et Techniques (EDP Sciences)*.

SAM18 timeline



Jean-Sébastien Thomas Award

In memoriam of **Jean-Sébastien Thomas**, who contributed to the success of SAM conferences, ArcelorMittal created in 2015 the Jean-Sébastien Thomas Award and it comprises a trophy, certificate and financial reward to the best presenter at SAM conferences.

All the presentations at SAM18 will be evaluated by the SAM Scientific Committee and a winner will be announced at the end of Day2.

***A poster section** will be arranged in the conference room and the best poster will be recognized publicly at the end of the conference.



Registration

To register, please fill in the online form [here](#).
There is no registration fee.



Contact

SAM Organizing Committee

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Join the SAM group



<https://www.linkedin.com/company/society-and-materials-sam-international-conference/>

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