

RYS2025

1st Rilem Youth Symposium

20-21 October 2025

12:00 to 15:00 CEST (UTC+2, Paris)

Fully online

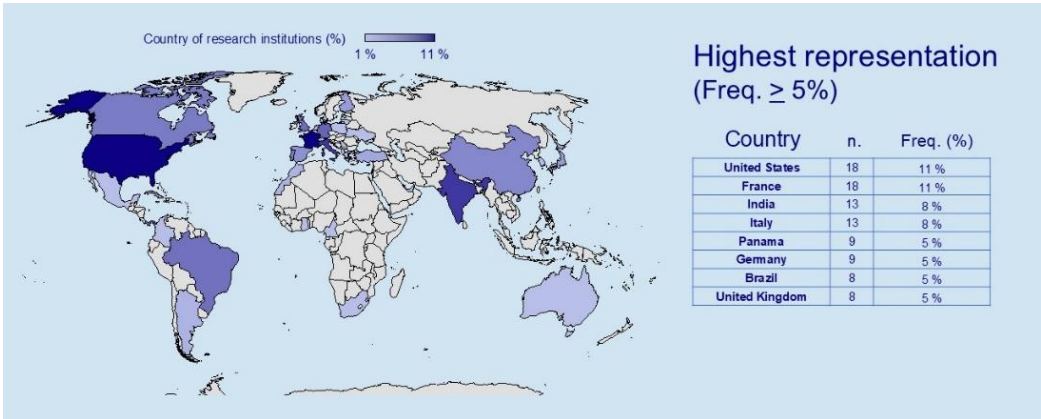


The first edition of the [RILEM Youth Symposium](#) has successfully concluded! The [book of abstracts](#) and the [programme](#) of this event are still available online for consultation.

Time	DAY 1 - 20/10/2025 (12-15.20h Paris Time)				
12-12.15	Opening				
12.15-12.45	Keynote "Advancements in numerical modelling of masonry and historical structures" Associate Professor A. M. D'ALTRI (University of Bologna, Italy)				
12.45-15.00	Room 1 Earthen materials Senior Chair: Céline PERLOT RYC Chair: Samuel J. ARMISTEAD	Room 2 Cement, Cementitious materials, and Concrete Senior Chair: Prannoy SURANENI RYC Chair: Liam MARTIN	Room 3 Innovative, low-carbon materials Senior Chair: Luca VALENTINI RYC Chair: Areej GAMELDIEN	Room 4 Bio-based materials + Heritage and Historic materials Senior Chair: Maria STEFANOUDOU RYC Chair: Alina GALIMSHINA	Room 5 Structural and mechanical performance Senior Chair: Maurizio GUADAGNINI RYC Chair: Nik TROCHOUTSOU
15.00-15.05/15.20	Closing				
Time	DAY 2 - 21/10/2025 (12-15.20h Paris Time)				
12-12.15	Opening				
12.15-12.45	Keynote "Early-age shrinkage - A concern for 3D-printable concrete?" Assistant Professor A. V. RAHUL (IIT Tirupati, India)				
12.45-14.25	Room 1 Earthen materials Senior Chair: A. Walter BRUNO RYC Chair: João L. PARRACHA	Room 2 Cement, Cementitious materials, and Concrete Senior Chair: Nicolas ROUSSEL RYC Chair: Angela TAWIAH	Room 3 Innovative, low-carbon materials Senior Chair: Antonios KANELLOPOULOS RYC Chair: Seongmin CHO	Room 4 3D- printed materials Senior Chair: Rob WOLFS RYC Chair: Yi DU	Room 5 Durability and degradation phenomena + Bituminous materials Senior Chair: Ravindra GETTU (TBC) RYC Chair: Surender SINGH
14.25-14.40	15min Break				
14.40-14.50	Awards Ceremony: Best Paper, Best Presentation, and Best Poster Awards				
14.50-15.05/15.20	Closing				

Figures

Held online on 20 and 21 October 2025, the event received more than 200 contributions between posters, extended abstracts and full conference papers. The event brought together around 300 participants watching the presentation of 60 speakers presenting at 5 parallel sessions scheduled every day. The submissions came from all around the world!



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Keynotes

The delegates attended two keynote sessions, scheduled at the commencement of each day of the symposium.



Dr Antonio Maria D'ALTRI
University of Bologna, Italy

Advancements in numerical modelling of masonry and historical structures

20 October 2025, 12 PM CEST



Dr. A. V. Rahul
IIT Tirupati, India

Early-age shrinkage - A concern for 3D-printable concrete?

21 October 2025, 12 PM CEST

Awards

By the end of the event, the following awards were granted:

Best paper award to Ashish Bastola (PhD student, Oregon State University, USA), presenting *Building with Earth: Unveiling Reaction Mechanisms in soil-cement Systems*. Prize: €500 and the opportunity for this contribution to be considered for publication in the international journal [Materials and Structures](#), offering a pathway to a high-impact publication.

Best poster to Dr Osamah Dehwah (Postdoc researcher, National Institute of Standards and Technology & Johns Hopkins University, USA), presenting *Quasistatic Crack Propagation in Cement-Based-Materials Induced by Pyrrhotite Oxidation*. Prize: invitation to submit a journal paper to the international journal [RILEM Technical Letters](#), an international journal where invited papers are only published.

Best presentation to Jéssica D. Bersch (PhD student, CERIS, IST-Universidade de Lisboa, Portugal), presenting *How to Protect Our Façade Coating Mortars? A Glance at Different Approaches to Improve Surface Protection*. Prize: the recorded presentation will be permanently featured [on the RILEM YouTube channel](#), reaching a wider and international audience.

The following two contributions received a RILEM certificate in recognition of their quality:

Best paper – second place to Samuel Auger (PhD student, Université Toulouse III - Paul Sabatier, France), presenting *Bio-based fluidification of earth mortar using tannin addition*.

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Best paper – third place to Anna Pomazanna (architect and educator, Kharkiv School of Architecture, Ukraine), presenting *Potential of Treating War-Polluted Soils for Earth-Based Construction in Ukraine*.

Acknowledgement

A heartfelt THANK YOU goes to:

- the Organising Committee of this event for the tremendous work and the successful outcome:
 - Symposium Chair: Dr Magda Posani, Aalto University, Finland
 - Symposium Co-Chair: Dr Surender Singh, Indian Institute of Technology Madras, India
- The RYC Organizing Committee for their help and support:
 - Dr José Vidal González Avina, Autonomous University of Nuevo Leon, Mexico
 - Areej Gamieldien, University of Cape Town, South Africa
 - Dr Niki Trochoutsou, Politecnico di Milano, Italy
 - Angela Tetteh Tawiah, Eastern Switzerland University of Applied Sciences (OST), Switzerland
 - Liam Martin, University of Technology Sydney, Australia
 - Seongmin Cho, Hanyang University, South Korea
 - Dr Olga Beatrice Carcassi, Columbia University (Natural Materials Lab GSAPP), USA
 - Dr Yi Du, ETH Zurich, Switzerland
 - Dr Rouba Joumblat, Beirut Arab University, Lebanon
 - Samuel J. Armistead, University of Colorado, USA
 - João Luís Parracha, LNEC, Portugal
 - Brenda Arias, Universitat Politècnica de Catalunya, Spain
 - Alina Galimshina Rodionova, Magnitogorsk State Technical University, Russia
 - Keshav Bharadwaj, Indian Institute of Science, India
 - Julian Camilo Gutierrez Rodriguez, National University of Colombia, Colombia
- Aurelie Martingale, the RILEM managing assistant, for the excellent online implementation of the event and continuous RYC support.
- The silver ([Kerakoll](#) & [Netzsch](#)) and bronze ([UTEST](#)) sponsors, for making the event free of charge.
- The Scientific Committee, for ensuring the highest scientific quality of the contributions, and the senior RILEM Chairs of the Sessions, for guiding and creating dynamic discussions.
- Sadek Tormos, University of New Hampshire and Université Gustave Eiffel, and Mansoure Dormohamadi, Aalborg Universitet, for their help with the event Proceedings.