



RILEM International
Conference on

Numerical Modeling Strategies for Sustainable Concrete Structures

July 5-7, 2021
Marseille, France



Chairmen
Pierre Rossi and Jean-Louis Tailhan



Cement is the main constituent of concrete, the most widely used building material today and which will continue to be in the years to come. Its production generates CO₂ emissions. It is, thus, of primary importance to optimize the utilization of cement in concrete constructions, while checking that these constructions have lifespan compatible with the stakes of the sustainable development. It is essential, to take up the challenge, to use adapted tools of quantification making it possible to rigorously and reliably justify the strategic and technical choices adopted.

Numerical methods (finite elements, finite volumes, finite differences) constitute a relevant response to this challenge. They make it possible to optimize concrete constructions because they can take into account complexities linked to the rheological, physicochemical, mechanical properties of concrete, the geometry of structures or even environmental boundary conditions. This optimization must also respect constraints of time, money, safety, energy, CO₂ emissions, and, more generally, life cycle, in a way more reliable than the codes and analytical approaches currently used.

After Aix-en-Provence (France, 2012), Rio de Janeiro (Brazil, 2015) and Lecco (Italy, 2019), **the next RILEM international Conference SSCS will take place in the city of Marseille (France) from July 5 to 7, 2021.**

The main objective of this conference is to promote the use of numerical models in the fields of Construction and Civil Engineering and to stimulate a scientific and technical community around this theme.

Only papers dealing strictly with the subject of the conference will be accepted.

The conference will take place over 3 days in one session to promote exchanges.

Each morning of each day will be devoted to invited presentations in a plenary session and the afternoons will be devoted to submitted papers. This organization has been chosen to privilege the quality of scientific and technical discussions.



Registration Fees

Conference registration fees include: admission to all scientific programs, proceedings, opening reception, coffee breaks, lunches, technical visit and conference banquet.

	Before February 28 th , 2021	After February 28 th , 2021
Registration fee	560 Euros	660 Euros
RILEM, AFGC and AUGC members	460 Euros	560 Euros
Students	360 Euros	400 Euros

Key dates and deadlines

Abstract submission	15/November/2020
Abstract acceptance	01/December /2020
Final Abstract acceptance	15/December /2020
Manuscript submission	31/January/2021
Manuscript acceptance	28/February/2021
Reviewed manuscript	31/March/2021
Conference at Marseille	05-07/July/2021

Contact

Sscs2021@sciencesconf.org
afgc@afgc.asso.fr

Website

<https://sscs2021.sciencesconf.org>