

EUROSTRUCT 2021

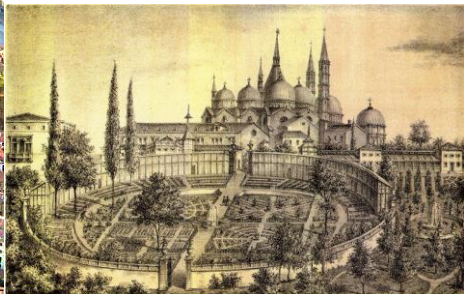
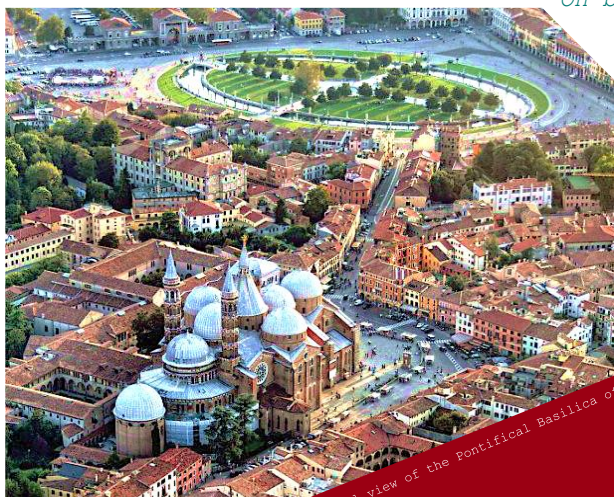
1st European Conference of the European Association on Quality Control of Bridges and Structures

The 1st European Conference of the European Association on Quality Control of Bridges and Structures - **EUROSTRUCT2021** will take place on August 29 - September 1, 2021 at University of Padova, Italy. The conference aims at providing an international forum for promoting worldwide exchange of knowledge and experience in quality control and improvement of bridges and structures. The Conference is thus targeted to attendees from academia and industry, who will have the opportunity to increase their network through a set of social events.

ABOUT PADOVA

Padova claims to be the oldest city in northern Italy, since it was founded according to Virgil's Aeneid in 1183 BC by the Trojan prince Antenor. The city is picturesque, with a dense network of arcades streets opening into large squares, and many ancient bridges and walls close to the Bacchiglione river. Attendees will have the opportunity to increase their network through a set of social events.

On behalf of EUROSTRUCT2021, we look forward to welcome you to Padova for this promising event.



Aerial view of the Pontifical Basilica of Saint Anthony and the Botanical Garden of Padova

KEY DATES

Abstracts submission: November 30, 2020
Abstract notification of acceptance:
December 15, 2020
Full papers submission: January 31, 2021
Full paper notification of acceptance:
February 28, 2021
Deadline for author registration:
May 31, 2021
Conference: August 29 –
September 1, 2021



THEMES

- Testing and advanced diagnostic techniques for damage detection in existing bridges and structures;
- Structural Health Monitoring and AI, IoT and Machine Learning for data analysis of existing bridges and structures;
- Fiber optics and smart sensors for long-term SHM of existing bridges and structures;
- Structural reliability, risk, robustness, redundancy and resilience for existing bridges and structures;
- Corrosion models, fatigue analysis and impact of natural and man-made hazards on infrastructure components of existing bridges and structures;
- Bridge and Asset Management Systems, and decision-making models of existing bridges and structures;
- Life-Cycle Analysis, retrofit and service-life extension, Risk Management Protocols of existing bridges and structures;
- Quality Control Plans, sustainability, green materials of existing bridges and structures.

▪ AOB.



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OBJECTIVES

- Increase knowledge of existing bridges and structures;
- Discuss the topics of structural reliability, robustness, risk and resilience for bridges and structures;
- Propose new methodologies and technologies for improving quality and sustainability of existing infrastructure;
- Support different stakeholders through the use of advanced tools on their decision process.

COMMITTEES

- **Organizing Committee**
Carlo Pellegrino, Flora Faleschini, Mariano A. Zanini, José C. Matos, Alfred Strauss.
- **Scientific Committee**
C. Pellegrino, F. Faleschini, M. A. Zanini, E. Chatzi, Y. Xenidis, J. C. Matos, J. R. Casas, A. Strauss, I. Stipanović, R. Hajdin, A. Kedar, V. Pakrashi, G. V. Gudmundsson, J. Bieñ, S. Fernandes.

To be updated...



Scrovegni Chapel - Giotto's paintings