



Advances in Construction, Design, and Investigations in Curtain and Ventilated Walls

Guest Editors:

Prof. Dr. Andrzej Ambroziak

Faculty of Civil and
Environmental Engineering,
Gdańsk University of Technology,
1 80-233 Gdańsk, Poland

Dr. Piotr Iwicki

Department of Metal Structures,
Faculty of Civil and
Environmental Engineering,
Gdańsk University of Technology,
Gdańsk, Poland

Prof. Dr. Paweł Kłosowski

Structural Mechanics
Department, Faculty of Civil and
Environmental Engineering,
Gdańsk University of Technology,
Gdańsk, Poland

Deadline for manuscript
submissions:

closed (10 March 2022)

Message from the Guest Editors

The curtain wall facade is the most widespread system for building glass facades. Individual solutions require additional structural analysis and laboratory tests to avoid design or construction problems and defects during exploitation. In several cases, it is necessary to incorporate scientific and engineering communities to evaluate the performance of curtain walls and ventilated facades.

Therefore, this Special Issue calls for papers related (but not limited) to the following areas:

- Analysis and design of curtain wall and ventilated facade systems
- Problems associated with curtain walls and ventilated facade
- New solutions for curtain wall and ventilated facade systems
- Energy efficiency of glazing systems
- Safety analysis of curtain wall and ventilated facade systems
- Support structures and brackets
- Sustaining capability
- New fire protection in curtain wall and ventilated facade systems
- Steel and aluminum structures





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](#)