



**ICGG2018**

# The 18th International Conference on Geometry and Graphics

40<sup>TH</sup> ANNIVERSARY

**Milano, August 3-7, 2018**



**POLITECNICO**  
MILANO 1863

We are glad to announce that ICGG 2018, the 18th International Conference on Geometry and Graphics, will be held at the **Politecnico di Milano** on August 3-7, 2018. It will start with Opening Ceremony at the **Triennale di Milano**. The Conference is organized biannually at different venues around the world, under the auspices of the International Society for Geometry and Graphics (**ISGG**). The spectrum ranges from fundamental research to geometric real-world applications, and education. Therefore, the conference aims at providing a forum for presentation and discussion of both academic and industrial research involving theoretical and applied geometry and graphics as well as other related fields. As also the Conference Logo tries to synthesize, we liked to dedicate this conference to Leonardo Da Vinci, genius among the greatest showing the widest power of Geometry and Graphics in investigation and creativity between Science and Art, and to Giulio Natta, professor at the Politecnico di Milano and Nobel prize in Chemistry in 1963, together with Karl Ziegler, as a mentor on the profound function - and beauty! - of Geometry and Graphics in Science and Technology, even at the invisible scale of the molecular world. **[Update: May05, 2018]**

## Organized by

Department of Architecture and Urban Studies (**DASTU**)

## Patronage

International Society for Geometry and Graphics (**ISGG**)

Unione Italiana Disegno (**UID**)

## Topics/Scope

Among other possible related fields, ICGG 2018 will mainly focus on the following topics and subtopics:

### *Theoretical Graphics and Geometry*

Theoretical Graphics / Geometry of Curves and Surfaces / Kinematic Geometry / Descriptive Geometry / Computer Aided Geometric Design

### *Applied Geometry and Graphics*

Theoretical Aspects of Geometry / Modeling of Objects, Phenomena and Processes / Application of Geometry in Arts, Sciences, Architecture, and Engineering / Geometric Aspects of Technical Art and Design / Computer Animation and Games / Graphic simulation in Urban and Territorial Studies / Aspects of Geometry and Graphics in Life Sciences

### *Engineering Computer Graphics*

Computer Aided Design and Drafting / Computational Geometry / Geometric and Solid Modeling / Product Modeling / Image Synthesis / Pattern Recognition / Digital Image Processing / Graphics Standards / Scientific and Technical Visualization

### *Graphics Education*

Education of Descriptive Geometry and Graphics / Education Technology Research / Multimedia Educational Software Development / E-learning / Virtual Reality / Educational System / Educational Software Development Tool / MOOCs and Emerging Classics

### *Geometry and Graphics in History*

Concepts of Space and Geometry / Development of Geometry and Graphics / Treatises and Manuals / Masters and Pioneers

We cordially invite researchers and educators to present their recent results and experiences at our Conference!

## Venue

Conference venue is **Politecnico di Milano**, at Campus Leonardo, the historical district entitled to Leonardo da Vinci and still headquarters of our University. Opening Ceremony will take place at the **Triennale di Milano**. Politecnico and Triennale are close to the city center.

## Internet access

**Eduroam** is the roaming access service available at the Politecnico di Milano.

## Conference webpage

All info about Conference at: <http://www.icgg2018.polimi.it>.

## Contact

ICGG 2018 Organizing Committee / Executive Chair

Email: [icgg2018@polimi.it](mailto:icgg2018@polimi.it).

## Scientific and Social Program

As of the Scientific Program, guest lectures and technical sessions are planned, together with plenary reports and panel discussions. Accompanying persons tours, conference excursion and conference dinner will be scheduled in the Social program. The complete list of activities will be updated on the conference website <http://www.icgg2018.polimi.it>.

## Important dates in 2018

Here the list of the important dates for submissions, registrations, and payments:

*January 29:* submission Extended Abstracts

*March 12:* notification acceptance Extended Abstracts

*March 30:* submission Revised Extended Abstracts

**May 15: latest date** for submission of Full Papers and Posters

*Early Bird Registration: until May 31 - valid for publication*

*Registration: June 01 to June 30 - valid for publication*

*Late Registration: after June 30 - not valid for publication*

## Submissions

*Extended Abstracts:* to be submitted via **EasyChair**

*Full Papers, Posters, and the Copyright Transfer Forms:* to be submitted via email to [icgg2018@polimi.it](mailto:icgg2018@polimi.it).

## Conference Fees (Early Bird Registration)

*Delegates:* € 370

*ISGG Members:* € 330

*Students:* € 140

*Accompanying Persons:* € 180

## Presentations and Proceedings (as SCOPUS records)

Speakers will have 15 minutes to present and 5 more for discussion, the official language is English; speakers have to present in person, not via internet or video; before presenting, speakers have to be in line with the payment of the Conference Fee; Extended Abstracts will be published as printed Abstract Proceedings; Full Papers and Posters will be published as digital Proceedings recorded on USB. All the info concerning the abovementioned points can be found on the website <http://www.icgg2018.polimi.it>.

## Committees

For the 40th anniversary a large international Program Committee has been formed.

The complete list of the members is shown at [www.icgg2018.polimi.it](http://www.icgg2018.polimi.it).

Chairing and Steering Boards are displayed below.

### Honorary Chairs

#### Otto Röschel

*Outgoing President of the International Society for Geometry and Graphics – ISGG, Graz University of Technology, Austria*

#### Vito Cardone

*President in office of the Unione Italiana Disegno – UID, Università degli Studi di Salerno, Italy*

### Chair

#### Yasushi Yamaguchi

*President in office of the ISGG, The University of Tokyo, Japan*

### Executive Chair

#### Luigi Cocchiarella

*ISGG Director, The University of Tokyo, Japan*

### Co-Chairs

#### Baoling Han

*ISGG Vice- President for Asia/Australia/Oceania, Beijing Institute of Technology, China*

#### Ema Jurkin

*ISGG Vice- President for Europe/Near East/Africa, University of Zagreb, Croatia*

#### Aura Conci

*ISGG Vice- President for North America/South America, Universidade Federal Fluminense, Brazil*

### Steering Committee

#### Asia/Australia/Oceania

#### Hirota Suzuki

*ISGG Secretary and Treasurer in office, Kobe University, Japan*

#### Kenjiro Suzuki

*Former ISGG President, National Institution for Academic Degrees and University Evaluation, Japan*

#### Emiko Tsutsumi

*Former ISGG President, Otsuma Women's University, Tokyo, Japan*

#### Europe/Near East/Africa

#### Cornelie Leopold

*Former ISGG Director, TU Kaiserslautern, Germany*

#### Hans-Peter Schröcker

*ISGG Director, University of Innsbruck, Austria*

#### Hellmuth Stachel

*Editor in Chief of the Journal for Geometry and Graphics – JGG, University of Technology Vienna, Austria*

#### Gunter Weiss

*Former ISGG President, Technical University of Dresden, Germany*

#### North America/South America

#### Ted Branoff

*Former ISGG President, Illinois State University, USA*

#### Frank Maxfield Croft

*The Ohio State University, USA*

#### Eduardo Toledo Santos

*ISGG Director, Sao Paulo University, Brazil*

### Travel

Arriving in and moving from or through Milano is quite easy and relatively low time consuming, thanks to the transport system. The three international airports, [Linate Airport](#), [Malpensa Airport](#), [Orio al Serio Airport](#), are connected with the city by bus and shuttle bus, from Malpensa also by the [Malpensa Express](#) train. The railway station [Milano Centrale](#), main city gate, is also the main international link with Europe by train. Fast trains [Frecciarossa](#) and [ItaloTreno](#) connect Milano with many destinations in Italy. If you come by car, consult the official website of the [Italian highway system](#).

### Public Transport in Milano

The city transport infrastructures system consists of four undergrounds and a railway link, connected with regional and national railways (new lines are under construction), tramways (some very traditional), trolleys and buses. Taxi service is very efficient. Car sharing and bike sharing are also available. We recommend to consult and keep at hand the official website of the [public city transport company ATM](#), including an useful journey planner, as well as sharing systems and several other additional services.

### Visa / Invitation Letters

If you need it, before travelling make sure your VISA has been issued, it normally requires time, and tell us the data you need in your invitation letter. For any request contact us at [icgg2018@polimi.it](mailto:icgg2018@polimi.it).

**Conference Logo:** design Luigi Cocchiarella, parameterization Matteo Cavaglià, branding Umberto Tolino & Andrea Manciaracina

### Accommodation / Tourist Tax

Several hotels are available in Milano, well connected with the Conference Venue by public transport and by foot, however a list of recommended accommodations will be provided. University Residence Halls for students, researchers, and visiting professors are also available, offering single and double rooms, and apartments. If this is your option please look at the room equipment and services offered (air conditioning, room cleaning, wifi, etc.) on the dedicated [webpage](#). Concerning Tourist Tax (charged since September 1<sup>st</sup> 2012), info available [here](#).

### Weather

In Milano and in the Po Valley, the weather at the beginning of August is acceptably warm, although normally with no breeze, sometimes sultry, short showers can rarely occur. Temperatures normally range between about 20°C and about 30°C and more. The nights are less warm but not cool, sometimes with breeze, especially early in the morning. However, we are in the south of Alps and the weather is not extreme, and it is normally good for traveling. Weather forecast can be checked via internet, i.e., at this [Google web page](#).

### Tourism

Lively and international, Milano has a lot to offer to tourists in terms of art, culture, leisure, fashion, design, entertainment and food. Discover more at the [official website for tourism](#) of the municipality of Milan.