

RESOLUTION FOR THE 21ST INTERNATIONAL CONFERENCE ON GEOMETRY AND GRAPHICS

This resolution is hereby presented to acknowledge and express gratitude concerning the 21st International Conference on Geometry and Graphics (ICGG 2024), held at Kitakyushu International Conference Center in Fukuoka, Japan, from August 5th to August 9th, 2024. We extend our appreciation to the Executive Chair Kazuki Takenouchi (Kyushu University, Former President of Japan Society of Graphic Science), two Co-Chairs Kazuya Kojima and Yosuke Morioka (both of Kindai University) and the Local Organizing Committee. There were 180 participants from 22 countries on a registration basis.

The conference is finally held in person, six years after the 18th ICGG 2018 in Milan. Due to the COVID-19 pandemic, the 19th and 20th ICGG conferences were conducted online, although they were originally planned to take place at the University of São Paulo, Brazil, under the leadership of Executive Chair Liang-Yee Cheng (Universidade de São Paulo, ISGG Vice-President for North America/South America).

The ICGG 2024 Secretariat received 173 valid submissions from 28 countries, 13 submissions from North America/South America, 60 from Europe/Near East/Africa, and 100 from Asia/Australia/Oceania. To streamline the workflow, the Equin Online Conference Service (EquinOCS) (<https://equinocs.springernature.com/>) was utilized. Additionally, a fully international reviewing system was adopted greatly benefiting our scientific cross-fertilization.

As a result of the first round of reviews, 110 papers were accepted, 34 required major revision, and 29 were rejected. After the second round, a total of 131 papers were published without further review in the ICGG 2024 Conference Proceedings:

K. Takenouchi (ed): ICGG 2024 – *Proceedings of the 21st International Conference on Geometry and Graphics*, vol. 1, 2, 3, Lecture Notes on Data Engineering and Communications Technologies (DECT), 217, Springer International Publishing, 2024. ISBN 978-3-031-71224-1, 978-3-031-71007-0, 978-3-031-71012-4. eBook ISBN 978-3-031-71225-8, 978-3-031-71008-7, 978-3-031-71013-1.

It should be noted that Kazuya Saito (Kyushu University) served as co-editor. The series of the book is “Lecture Notes on Data Engineering and Communications Technologies,” which is indexed by SCOPUS, INSPEC, and EI Compendex.

In addition to the opening ceremony, ISGG members meeting and closing ceremony, there were one poster session, 30 technical sessions and four special lectures. Thirteen posters were presented during the poster session and four papers were allocated to each technical session. A 3D ride attraction built on a truck and related to the special lecture offered participants new mobile experiences in the parking area. An excursion of Kitakyushu city took place, featuring visit museums, historical buildings, bridges, an undersea tunnel, and Mt. Sarakura, where participants enjoyed a memorable evening view of whole Kitakyushu city.

Organized by Luigi Cocchiarella (Politecnico di Milano, ISGG President), a slot for the panel discussion was allocated to the meeting of the ISGG Institutional Members (IM) and Associated National Organizations (ANO) titled “ISGG Cooperative Mission in the AI Era.” The discussion focused on sharing the current situations and activities of the national societies from seven countries, Austria, Brazil, China, Czech Republic, Germany, Italy, and Japan.

Organized by the Japan Society of Graphics Science under the leadership of Hirotaka Suzuki (Kobe University, JSGS President) and Kensuke Yasufuku (Osaka University, Director

of ISGG), the International Digital Modeling Contest was held during the conference. The contest aims to promote fundamental technologies that inspire the creation of three-dimensional mechanisms and objects innovative environments driven by additive manufacturing (3D printing). There were 10 submissions from three countries and among those, 8 outstanding works together with some works previously-awarded in the domestic contests were publicly presented during the conference.

Special thanks are offered to the following individuals and organizations:

- We would like to express our gratitude to ISGG, Japan Society for Graphic Science (JSGS), Japan Society for the Promotion of Science (JSPS), Kitakyushu Convention & Visitor Association (KCV) for the sponsorship and support. We also extend our appreciation to the highly competent and dedicated International Program Committee, which successfully completed the demanding task within a very tight schedule.
- We also would like to express our gratitude to the Steering Committee for their valuable advice and support, especially Hellmuth Stachel (University of Technology Vienna, Honorary President of ISGG), Hirotaka Suzuki, Luigi Cocchiarella, Hans-Peter Schröcker (University of Innsbruck, ISGG Vice-President for Europe/Near East/Africa and editor of JGG), Kumiko Shiina (National Center for University Entrance Examinations, ISGG Vice-President for Asia/Australia/Oceania), Liang-Yee Cheng.
- Special thanks to the members of the Local Organizing Committee for their support, as well as to the hard-working staff who effectively assured a smooth organization and executed a flawless onsite meeting after the six-year gap caused by COVID-19, and finally extend our gratitude to Executive Chair Kazuki Takenouchi.

Therefore, be it resolved that the participants of the 21st International Conference on Geometry and Graphics extend their gratitude to the aforementioned organizations and individuals for their efforts in making this successful and memorable conference. All participants look forward to a similar face-to-face meeting in 2026 in Zagreb, Croatia.

It is further resolved that the gratitude of these attendees be conveyed to the aforementioned organizations and individuals, and that the text of this resolution be recorded in the archives of the International Society for Geometry and Graphics.

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