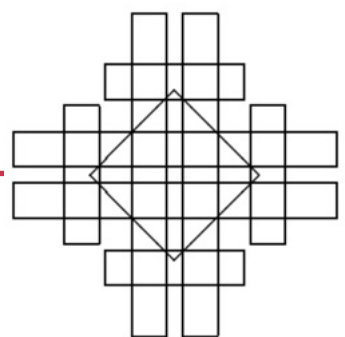


Business Meeting 2023

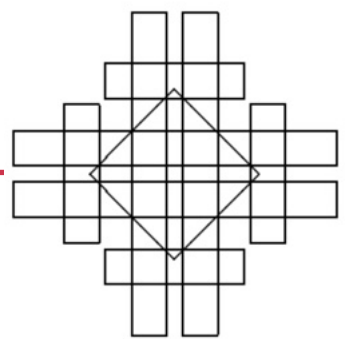
Dallas, June 13, 2023

Agenda

- SafeTOC
- CGWeek 2023
- CGWeek 2024
- New Society
- CGWeek 2025
- Old Society
- TheoretICS
- AOB



SafeTOC



SafeTOC at CG Week 2023

Jeff Erickson

University of Illinois at Urbana-Champaign

June 14, 2023

SafeTOC

Volunteer initiative to help prevent and combat harassment in the Theory of Computing community.

We also provide guidelines for organizers to help ensure that conferences are safe and welcoming for all participants.

- ▷ Codes of conduct
- ▷ Conflicts of interest for reviews
- ▷ Trained advocates for support and advice

CG Week Code of Conduct

CG Week is dedicated to providing an environment that is free from harassment, bullying, discrimination, and retaliation for all participants, regardless of gender, gender identity and expression, age, sexual orientation, disability, physical appearance, body size, race, ethnicity, religion (or lack thereof), or technology choices.

Bullying, intimidation, personal attacks, harassment, sustained disruption of talks or other events, and behavior that interferes with another's full participation will not be tolerated. Sexual language and imagery is not appropriate for any conference venue.

CG Week participants violating these rules may be sanctioned or expelled from the conference without a refund at the discretion of the conference organisers.

Advocates at CG Week 2023

- ▶ Benjamin Burton (bab@maths.uq.edu.au)
- ▶ Erin Wolf Chambers (erin.chambers@slu.edu)
- ▶ Bianca Dornelas (bdornelas@tugraz.at)
- ▶ Anne Driemel (driemel@cs.uni-bonn.edu)
- ▶ Jeff Erickson (jeffe@illinois.edu)
- ▶ Patrick Schnider (patrick.schnider@inf.ethz.ch)

Advocates

Advocates can offer advice and support to community members who experience or witness harassment.

As much as our other responsibilities allow, all communication with advocates is strictly confidential.

We cannot handle official complaints, perform investigations, or issue disciplinary action, but we can provide information about available processes for such actions.

Our website (safetoc.org) has both recommendations and a longer list of active advocates.

How you can help

Since SafeTOC's work has begun, it has become clear that **harassment is in fact a persistent issue in our community**. Unfortunately, it is an issue we don't often talk about. This is something we can all work together to change.

If you are interested in serving as an advocate, please get in touch! We could use more people serving in this role across many conferences.

But you don't have to be an advocate to make a difference!

We all have a part to play.

How you can help

If you witness harassing behavior, such as sexist or racist jokes, even if there is no obvious victim present, it often helps to speak up. **Offenders need to hear from their peers that this is not okay.**

If you are not comfortable confronting them directly, you can take other actions to defuse the situation and/or ask an organizer or SafeTOC advocate for help.

Address effects, not intentions. Much harassment is simple thoughtlessness, or can even be unintentional, due to language or cultural differences. Respectfully calling out unacceptable behavior in the moment can be an important part of changing culture.

How you can help

If you witness someone being harassed, one helpful action is to simply ensure that the target is safe. For example:

- ▷ Join the conversation between the offender and their target.
- ▷ Cause a distraction; for example, ask the offender a question.
- ▷ Separate the people; for example, find a reason to call the target away.

If there is an opportunity, you can also **ask the target if they are OK and just listen**. If they wish, you can take them to an organizer or SafeToC advocate who you trust for support.

More Information

- ▶ **CG Week Code of Conduct:**

- ▷ <https://www.computational-geometry.org/codeofconduct.html>

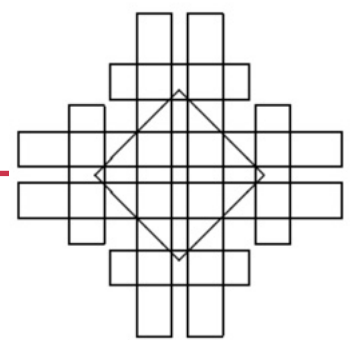
- ▶ **SafeToC web site:**

- ▷ <http://safetoc.org>

- ▶ **Helpful resources from ACM SIGARCH CARES:**

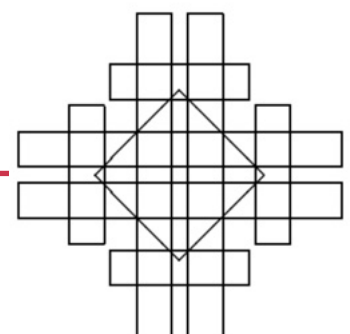
- ▷ <https://www.sigarch.org/benefit/cares/cares-resources/>

CGWeek 2023

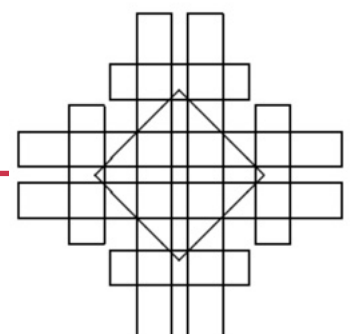


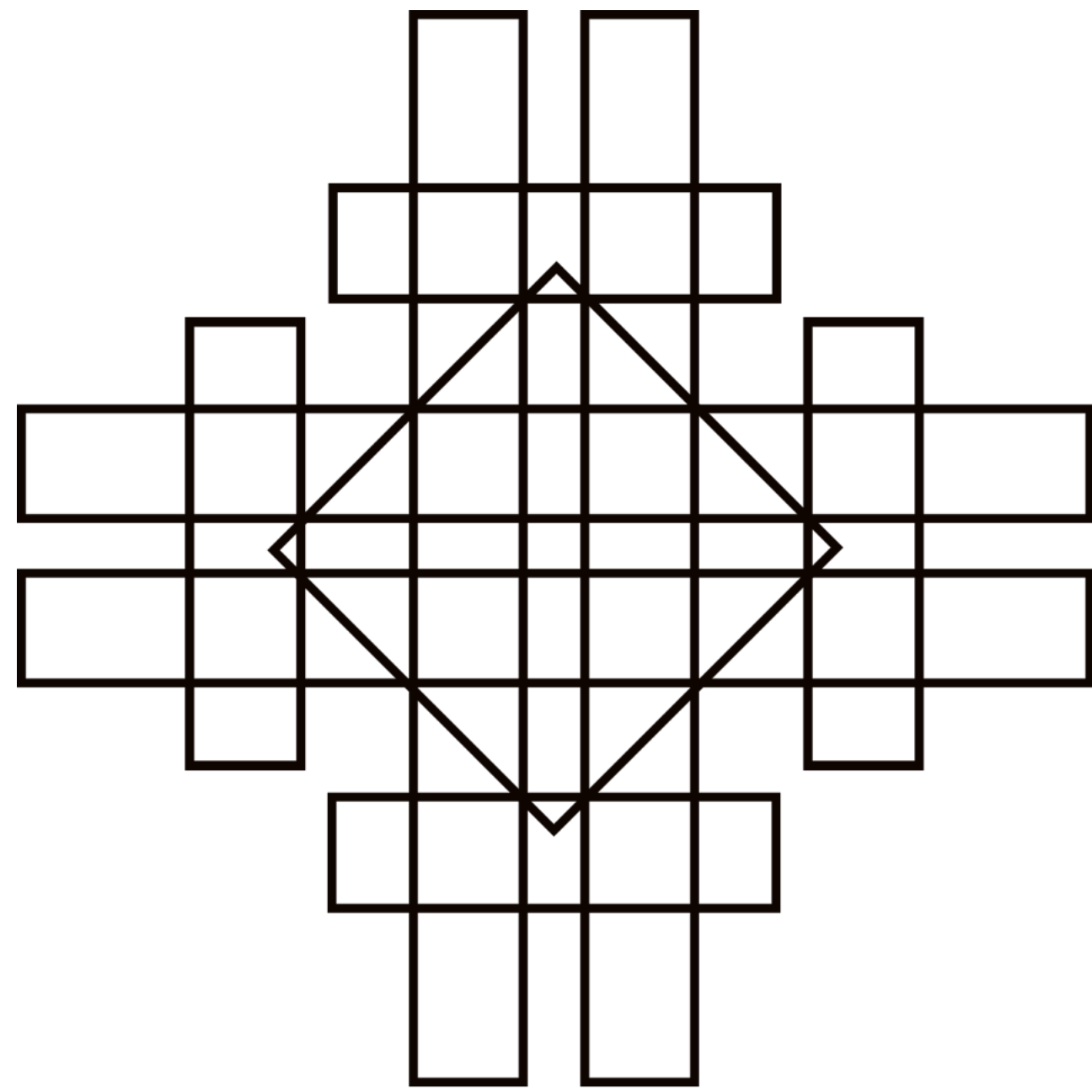
CGWeek 2023

- **Organization:** Ben Raichel, Emily Fox
- **SoCG:** Erin Chambers, Joachim Gudmundsson
- **CG:YRF** Maike Buchin
- **Media:** Don Sheehy
- **Workshops:** The Steering Committee
- **Challenge:** Sándor Fekete
- **ToT:** Pankaj Agarwal
- **Proceedings:** Irina Kostitsyna



Local Organization





CG WEEK 2023

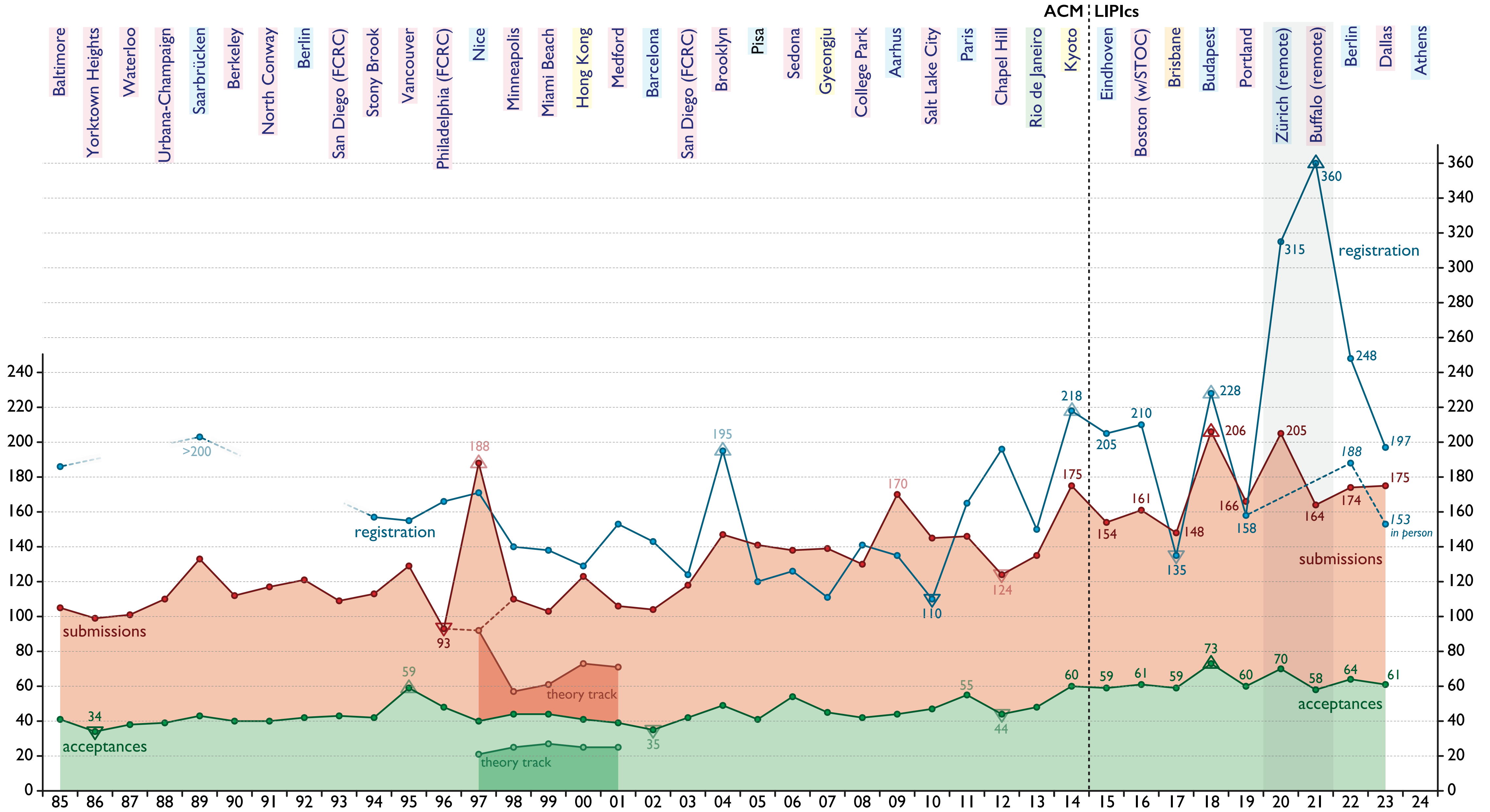


Local Organizers' Report

Emily Fox and Benjamin Raichel

In Person Attendance

Australia	3	Germany	15
Austria	7	Greece	1
Belgium	1	India	2
Canada	1	Israel	3
China	3	Italy	1
Czech Republic	1	Japan	1
Denmark	6	Netherlands	5
Finland	1	Switzerland	4
France	4	USA	94



Credit: Jeff Erickson

Budget

Costs	Food	53642
	Drinks	1250
	Room fees	1400
	Lipics/HotCRP/Easychair	6250
	Invited speakers	3000
	PC dinner	350
	Paper Prize	250
	Misc. (Soap, zoom, etc.)	400
	Dorm Refund	600
	Total	67142
Funds	Sponsorship	31000
	Registration	44250
	Total before fee	75250
	Total after fee	70225
For the CG Fund		3083

Sponsorship

- The Workshop program of the Office of Research and Innovation at UTD
- The Jonsson School Research Initiative program of the Erik Jonsson School of Engineering and Computer Science at UTD
- Siemens
- The Department of Computer Science at UTD
- The National Science Foundation through a Student Travel Grant (CCF-2321292)
- DCG/Springer



SIEMENS



Springer

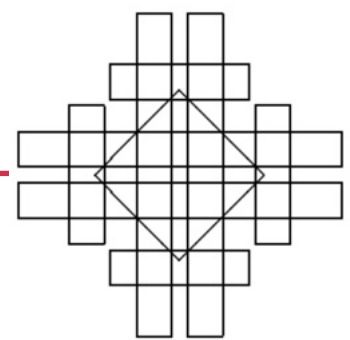
Lessons Learned/Questions for Future

- Hotels and conference centers vs. institutions
 - Hotels and CCs: Large liability for local organization, but streamlined planning process
 - Can Society take on the liability?
 - Institutions: More work for organizers, but cheaper. May unlock funds for promotion.
- We were hybrid again!
 - Increases accessibility, but online attendance is very low.
 - Surprisingly difficult to run. At minimum, keep remote presentation.

Thanks

- Student Volunteers—**Hongyao Huang, Jishnu Jaykumar P, Jonathan James Perry, Swaroop Ranganath, and Jihan Wang**
- UTD CS Faculty and Staff
- Catering, Dorms, and various other UTD staff
- CG Steering Committee for all their guidance
- PC chairs and all other chairs for CG Week
- Our generous sponsors
- All of you for coming to Dallas! (Richardson)

SoCG 2023





2023 PC chairs report

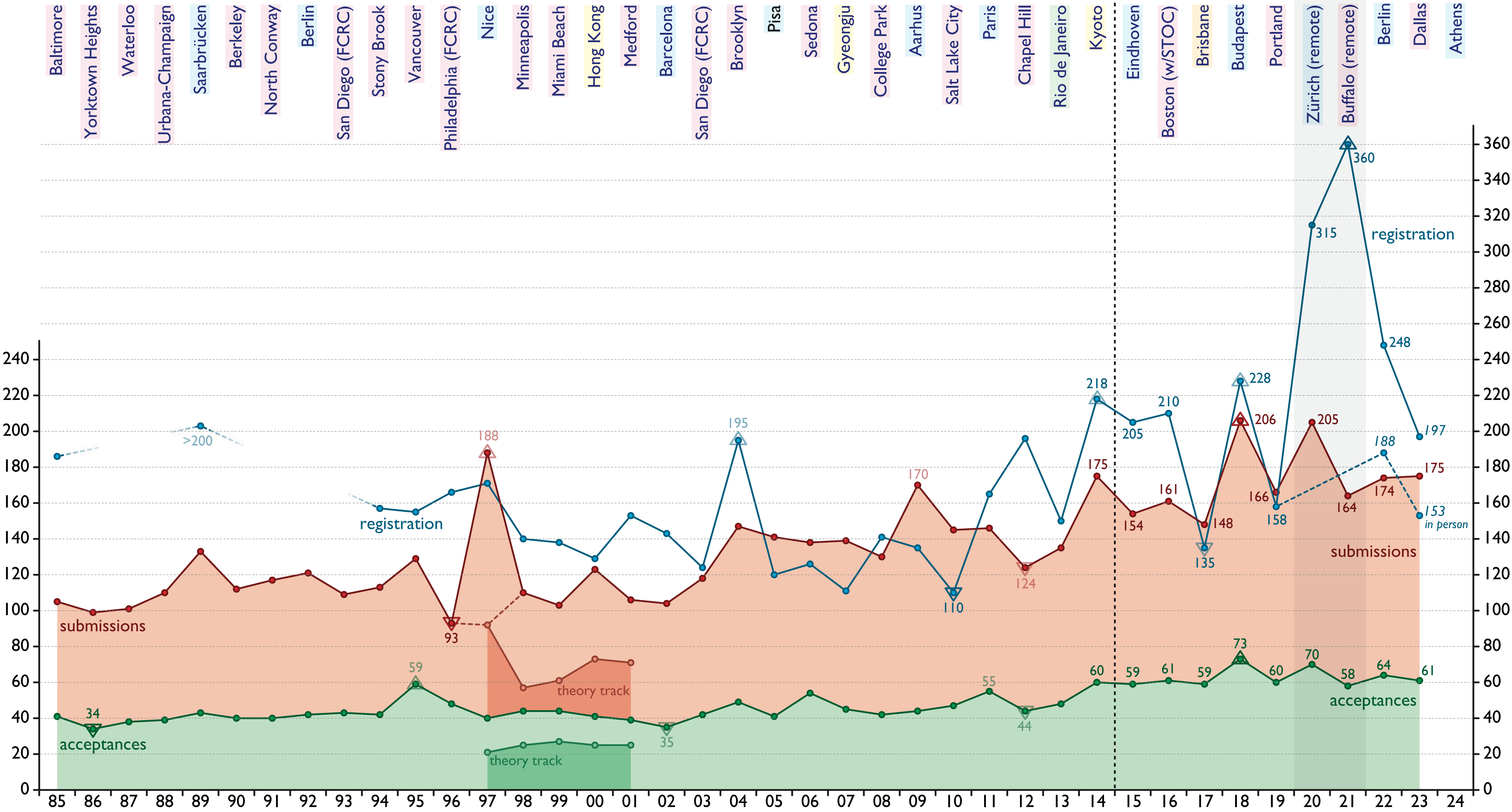
Erin Chambers and Joachim Gudmundsson



SoCG 2023 PC

- Anastasios Sidiropoulos, University of Illinois at Chicago, USA
- André Nusser, University of Copenhagen, Denmark
- Arijit Ghosh, Indian Statistical Institute, India
- Arindam Khan, IISc Bangalore, India
- Arnaud de Mesmay, CNRS, France
- Balázs Keszegh, Alfréd Rényi Institute of Mathematics, Hungary
- Benjamin Burton, University of Queensland, Australia
- Elena Arseneva, Università della Svizzera italiana, Switzerland
- Elizabeth Munch, Michigan State University, USA
- Erin Chambers, co-chair, Saint Louis University, USA
- Esther Ezra, Bar Ilan University, Israel
- Facundo Mémoli, Ohio State University, USA
- Günter Rote, Freie Universität Berlin, Germany
- Ileana Streinu, Smith College, USA
- Jack Snoeyink, University of North Carolina, USA
- Jeff Erickson, University of Illinois Urbana-Champaign, USA
- Joachim Gudmundsson, co-chair, University of Sydney, Australia
- Joseph S. B. Mitchell, Stony Brook University, USA
- Ken Clarkson, IBM Almaden Research, USA
- Kevin Verbeek, TU Eindhoven, the Netherlands
- Konrad Swanepoel, London School of Economics, UK
- Linda Kleist, Technische Universität Braunschweig, Germany
- Maarten Löffler, Utrecht University, the Netherlands
- Mathijs Wintraecken, Institute of Science and Technology, Austria and Inria Sophia Antipolis Méditerranée, France
- Matias Korman, Siemens Electronic design automation, USA
- Matya Katz, Ben-Gurion University, Israel
- Oswin Aichholzer, Graz University of Technology, Austria
- Pat Morin, Carleton University, Canada
- Patrizio Angelini, John Cabot University, Italy
- Saket Saurabh, IMSc Chennai, India
- Uli Wagner, Institute of Science and Technology, Austria
- Valentin Polishchuk, Linköping University, Sweden
- Yoshio Okamoto, The University of Electro-Communications, Japan

ACM LIPIcs



- Baltimore
- Yorktown Heights
- Waterloo
- Urbana-Champaign
- Saarbrücken
- Berkeley
- North Conway
- Berlin
- San Diego (FCRC)
- Stony Brook
- Vancouver
- Philadelphia (FCRC)
- Nice
- Minneapolis
- Miami Beach
- Hong Kong
- Medford
- Barcelona
- San Diego (FCRC)
- Brooklyn
- Pisa
- Sedona
- Gyeongju
- College Park
- Aarhus
- Salt Lake City
- Paris
- Chapel Hill
- Rio de Janeiro
- Kyoto
- Eindhoven
- Boston (w/STOC)
- Brisbane
- Budapest
- Portland
- Zürich (remote)
- Buffalo (remote)
- Berlin
- Dallas
- Athens



Paper statistics

175 submitted papers, out of which 61 were accepted.

- 34.8% acceptance rate
- Recent comparison: 2022 had 37%, 2021 had 35%

20 papers were invited to the special issues in DCG and JoCG

- 15 accepted the invitation



Paper statistics

Topics	Submitted	Accepted	Percentage
Algorithmic complexity	102	35	34.3%
Applications	15	2	13.3%
Mathematical foundations	103	36	34.9%
Experiments and implementation	27	10	37%

Interesting aside: all but one of the “Applications” papers also had at least 1 other tag, so they are also factored into other categories. (Many had 2 other tags.)



Geometry versus topology

The most asked question: how many topology, how many geometry?

- One PC chair's opinion: 113 geometry, 46 topology, 14 were both - and some were none of the above.
 - Note: The PC co-chairs did not agree on some of these.
- Acceptance rates (just Erin's opinion!): geometry had a 38% acceptance, topology a 34% acceptance rate, and "both geometry and topology" had a 14% acceptance rate.
- Suggestion for the future: have authors select which category their paper falls into, if you want to track this data more reliably!



Silly statistics

#authors	#submitted	#accepted	Acc rate
1	21	6	29%
2	62	27	44%
3	42	13	31%
4	27	9	33%
5	16	3	19%
6+	7	3	43%

Maximum number of accepted papers by one person: 3
(There were 3 people who managed this.)

Conclusion: find a friend and submit with one other person, or else write your paper at a party!
Or, find one of these 3 people if you can.



Double blind + PC submission process

Used HotCRP: chosen because of COI detection, which worked quite well.
(Would strongly recommend PC chairs continue to use it.)

PC members submitted and were reviewed in the “general” pool of papers.

The PC co-chairs did not submit, and were the only unblinded members of the PC. We also did not review, although we did weigh in as appropriate (and occasionally stepped in for each other when one of us was conflicted).

There was some minimal information leakage, but only on 5 papers as far as we know.



Review process

- Every paper was reviewed by at least three reviewers (584 reviews in total, 3.34 per paper on avg).
- Total number of subreviewers: 273
- Total number of paper comments: 1829 which is 10.5 per paper on average.

Included PC discussion summaries, which was intended to summarize any PC discussion not captured in the reviews.

Balance of PC expertise was key, as were finding high quality reviews.

The usual calibration issues were present, but discussion helped to offset.



Double-blind reviewing: reflections

When polling the PC after the acceptances were finalized, and 27 people responded.

- 24 out of 27 of the PC members wanted SoCG to continue running double blind
 - 2 indicated that they were against double blind before serving, 5 were undecided, and 20 had been in favor
- When asked how the double blind compared in difficult: 2 thought it was easier, 3 thought it was slightly easier, 11 thought it was about the same, and 6 thought it was slightly harder. (None thought it was much harder.)
- When asked if double blind increased fairness in comparison to prior years: 6 thought it did not increase fairness, 12 felt it increased fairness, and 8 had not served previously on the PC



PC submissions

#PC submission 29, #PC accepted 13, overall PC acceptance rate 45%

- We decided not to apply a differential acceptance rate or separate committee, since that released identifying info and seemed unfair to PC members.
- Some information leakage occurred in the final round, when voting for the last few to accept, but this was quite late in the process and simply shared that some papers were still under consideration.
 - (They were not allowed to vote on their own papers.)



PC submissions: reflections

When polling the PC after the acceptances were finalized, 27 answered:

- When asked how important PC submissions were in accepting a role on the PC, 8 indicated it was an important factor, 9 were neutral, and 10 said it was unimportant
- 24 said they could not tell which papers were authored by the PC; only 3 said they could detect them. (Note: two of those were likely the PC co-chairs.)
- 24 out of 27 thought we should continue to allow PC submissions in the future

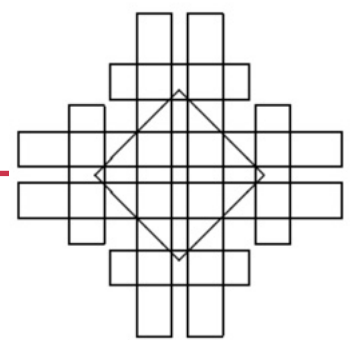


Thanks to all helping with SoCG 2022

In no particular order:

- The authors of all submitted papers,
- The 32(+2) members of the SoCG program committee,
- The many external reviewers,
- The invited speakers Moon Duchin and Sven Koenig,
- The proceedings chair Irina Kostitsyna,
- The local organizers, especially Emily and Ben,
- The CG steering committee,
- All who contributed to the CG Week and its events.

CG:YRF 2023



Young Researchers Forum 23 Report

Maïke Buchin

Program Committee

- Hee-Kap Ahn
- Hugo Akitaya
- Maïke Buchin
- Ellen Gasparovic
- Arnaud de Mesmay
- Tim Ophelders
- Zuzana Patáková
- Christiane Schmidt
- Alexander Wolff

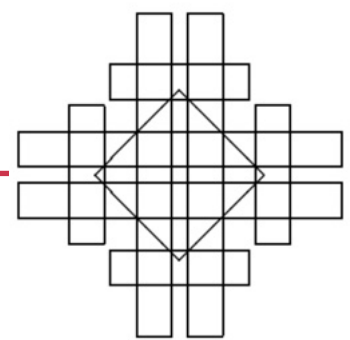
Review Process

- **2-stage screening process** (conditional accept in first stage)
- 21 papers submitted (0 early, 21 regular)
- Each paper received **3 reviews** in first review round, plus updates for revised version
- 1 paper was withdrawn after first stage
- 1 paper was rejected in second stage
- 19 papers accepted
- 12 of those from US, 7 from Europe (Germany, Austria, Finland)

Historical Submission Data

	2012	2013	2014	2015	2016	2017
location	Chapel Hill	Rio	Kyoto	Eindhoven	Boston	Brisbane
submitted	35	12	15	27	24	8
accepted	28	12	12	21	24	8
accept. rate	80%	100%	80%	78%	100%	100%
	2018	2019	2020	2021	2022	2023
location	Budapest	Portland	Online (Zürich)	Online (Buffalo)	Berlin	Dallas
submitted	31	20	22	27	28	21
accepted	28	16	20	21	27	19
accept. rate	90%	80%	91%	78%	96%	90%

Media 2023



CG Media Expo

Thanks to a great Committee:

Oliver Chubet, NC State University

Satyan Devadoss, University of San Diego

Kirk Gardner, Air Force Research Lab

Gregory Henselman-Petrusek, Pacific Northwest National Lab

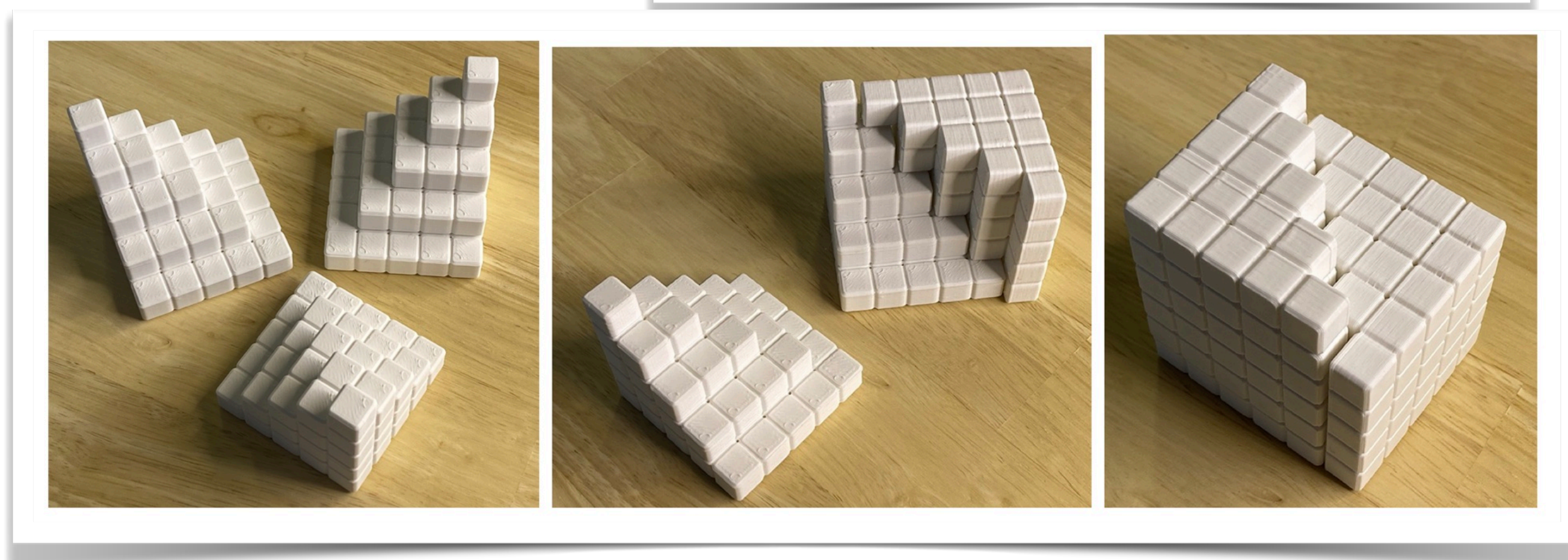
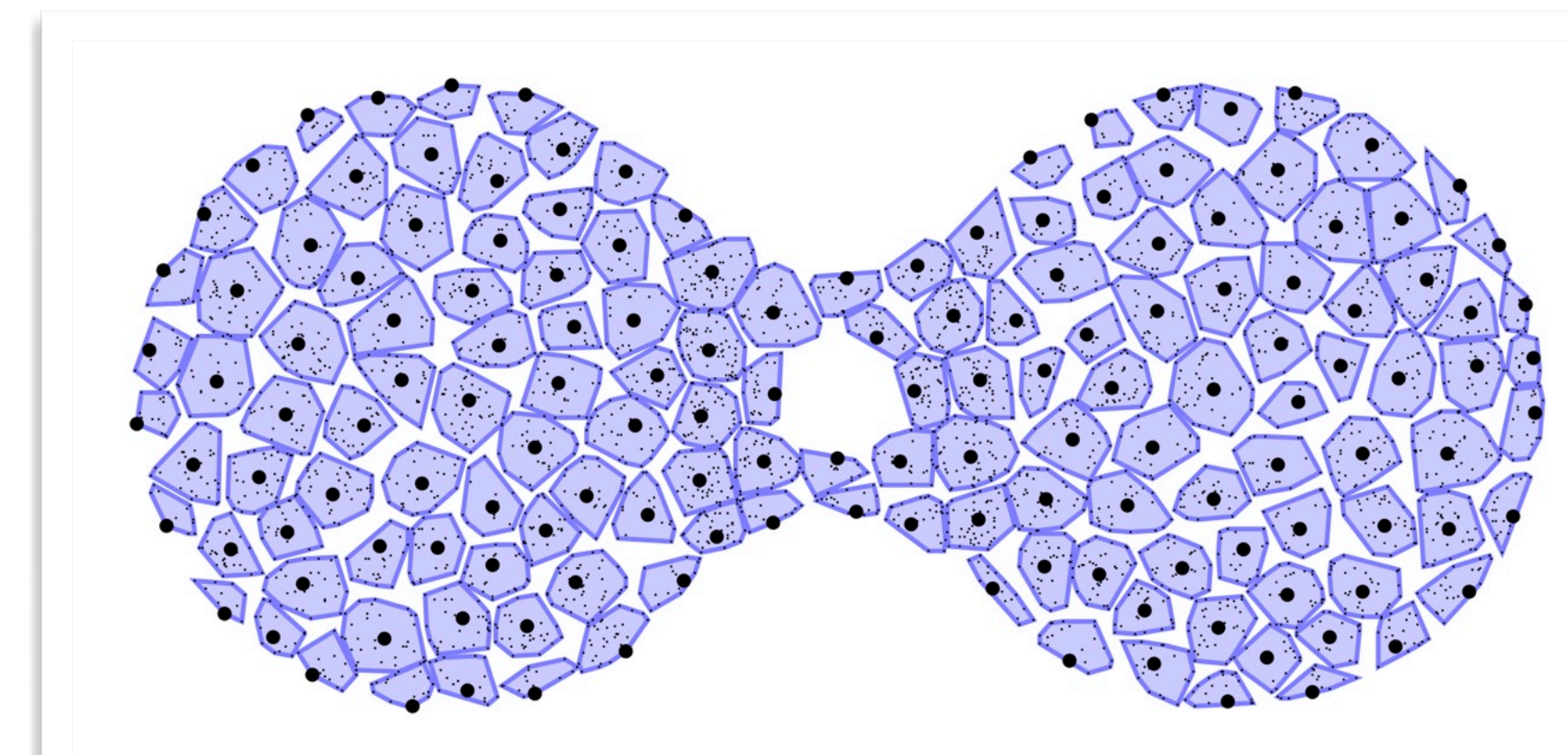
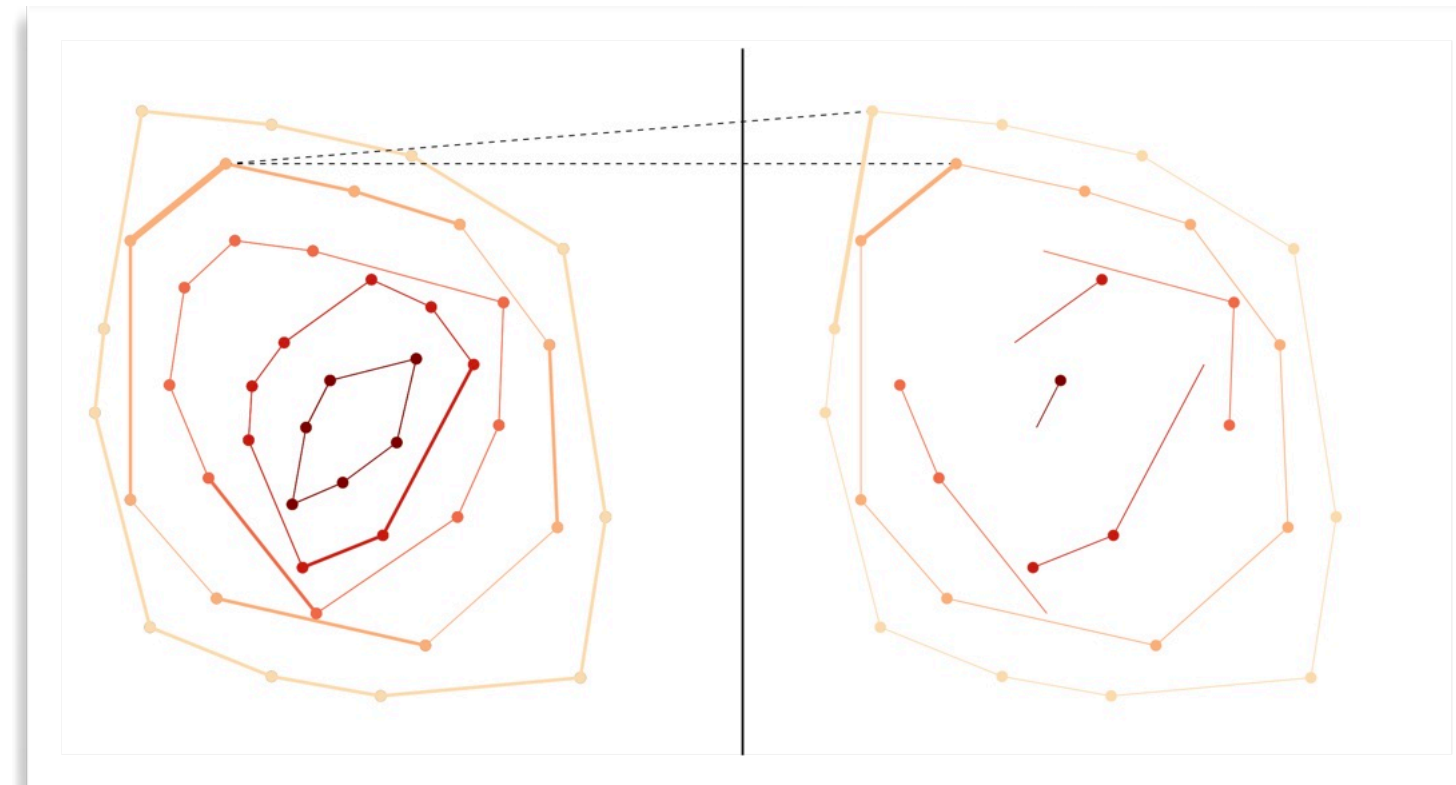
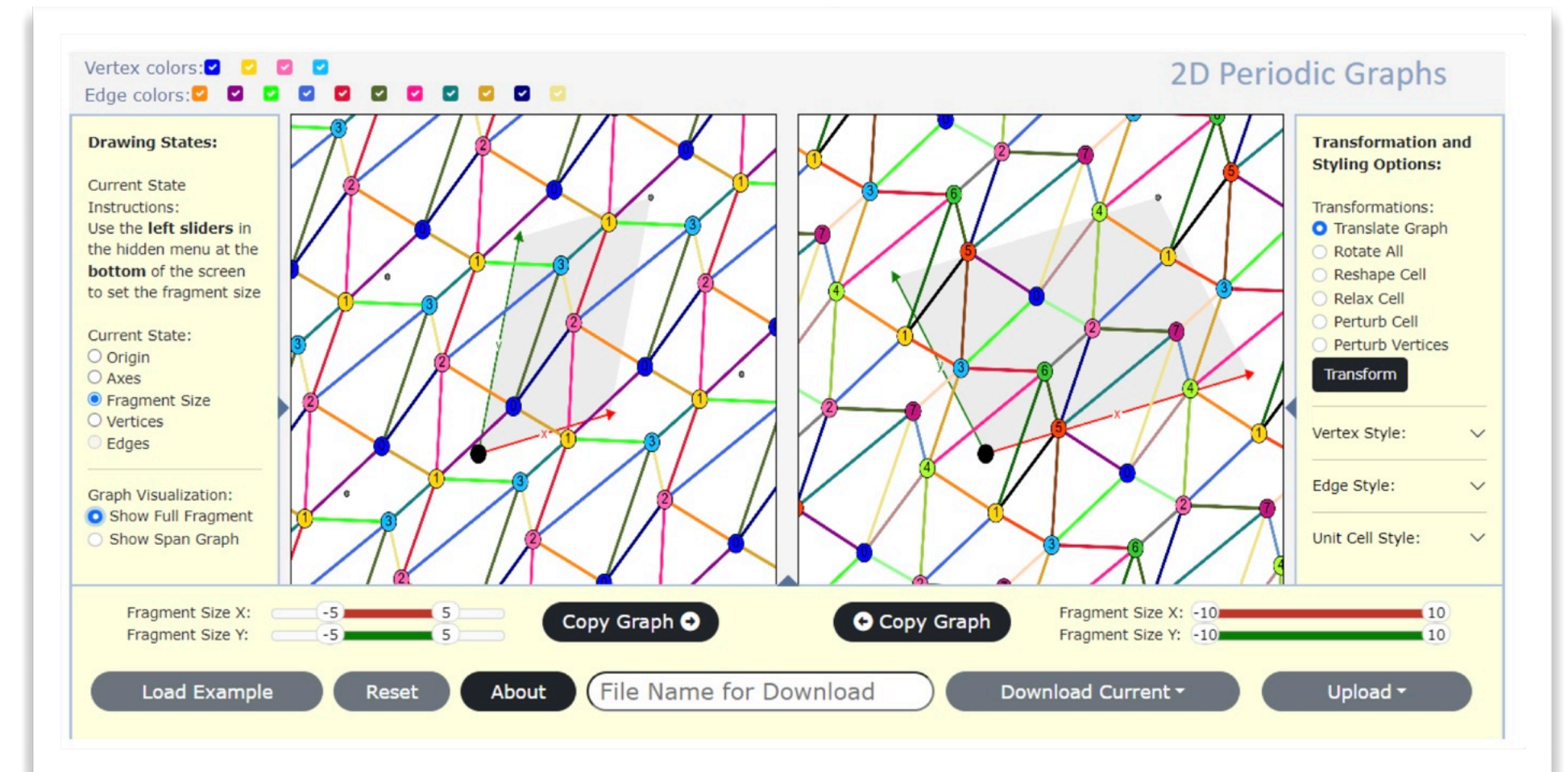
Michael Lesnick, University at Albany

Don Sheehy, NC State University, Chair

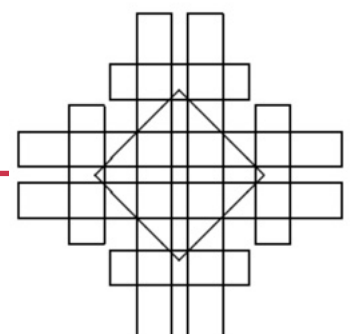
Siddharth Sheth, NC State University

Submissions: 5

Acceptances: 4



Workshops 2023



Call and Timeline

Von: Fekete, Sándor <s.fekete@tu-braunschweig.de>
Betreff: Call for Workshops: CGWeek 2023 - June 12-15, 2023
Datum: 19. Dezember 2022 um 11:01:57 GMT-6
An: "compgeom-announce@inria.fr" <compgeom-announce@inria.fr>
Kopie: Fekete, Sándor <s.fekete@tu-braunschweig.de>, "socg-sc-22-24@ibr.cs.tu-bs.de" <socg-sc-22-24@ibr.cs.tu-bs.de>
Umgeleitet von: <s.fekete@tu-braunschweig.de>

Call for Workshops: CGWeek 2023 - June 12-15, 2023

CGWeek 2022 will take place on June 12-15, 2023, anchored by the 39th International Symposium on Computational Geometry (SoCG). SoCG brings together a global community of researchers working on a large variety of topics that combine geometry, topology, algorithms, and applications.

To allow a broad audience to participate actively in the community's major scientific event, a series of half-day events will be organized throughout CGWeek. Some of these events are workshops on topics related to all aspects of computational geometry and its applications.

Important Dates

- January 27, 2023: Intent-to-submit requested (not required)
- February 17, 2023: Workshop proposals due
- February 24, 2023: Notification of acceptance
- June 12-15, 2023: CGWeek

Conference Web Page

<https://cs.utdallas.edu/SOCG23/index.html>

Workshops

Workshop on Möbius
Inversions and Reeb Spaces

WORKSHOP ON RECENT DEVELOPMENTS IN
GEOMETRIC CLUSTERING

7th Workshop on Geometry and Machine Learning

Thursday June 15, 2023 | TBA | Dallas, TX, USA (with remote option)

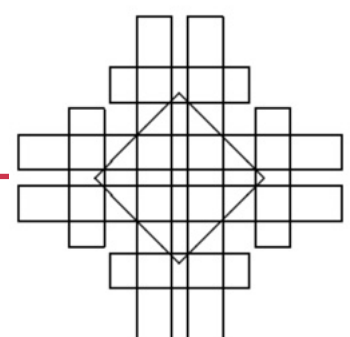
Organized by **Hubert Wagner** and **Jeff M. Phillips**.

Workshop on Parameterized Algorithms for Geometric Problems

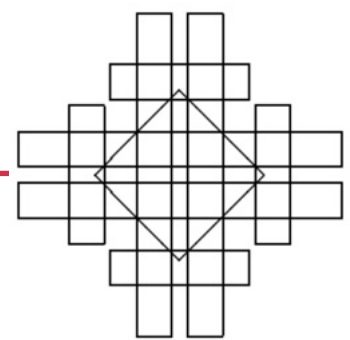
Part of CG week 2023 (June 12-15 2023)

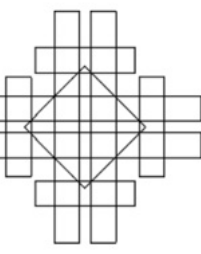
This workshop focuses on the intersection of two important areas in TCS, Computational Geometry and Parameterized Algorithms. In recent years, designing parameterized algorithms for geometry-related problems has become an active research direction and received considerable attention. Efficient parameterized algorithms have been obtained for many fundamental geometric problems, including art gallery problems, geometric stabbing and hitting, planar graph drawing, problems on geometric intersection graphs, geometric independent set, geometric knapsack, etc. The goal of this workshop is to highlight a subset of these interesting results and motivate further research in this direction.

Schedule:



Challenge 2023





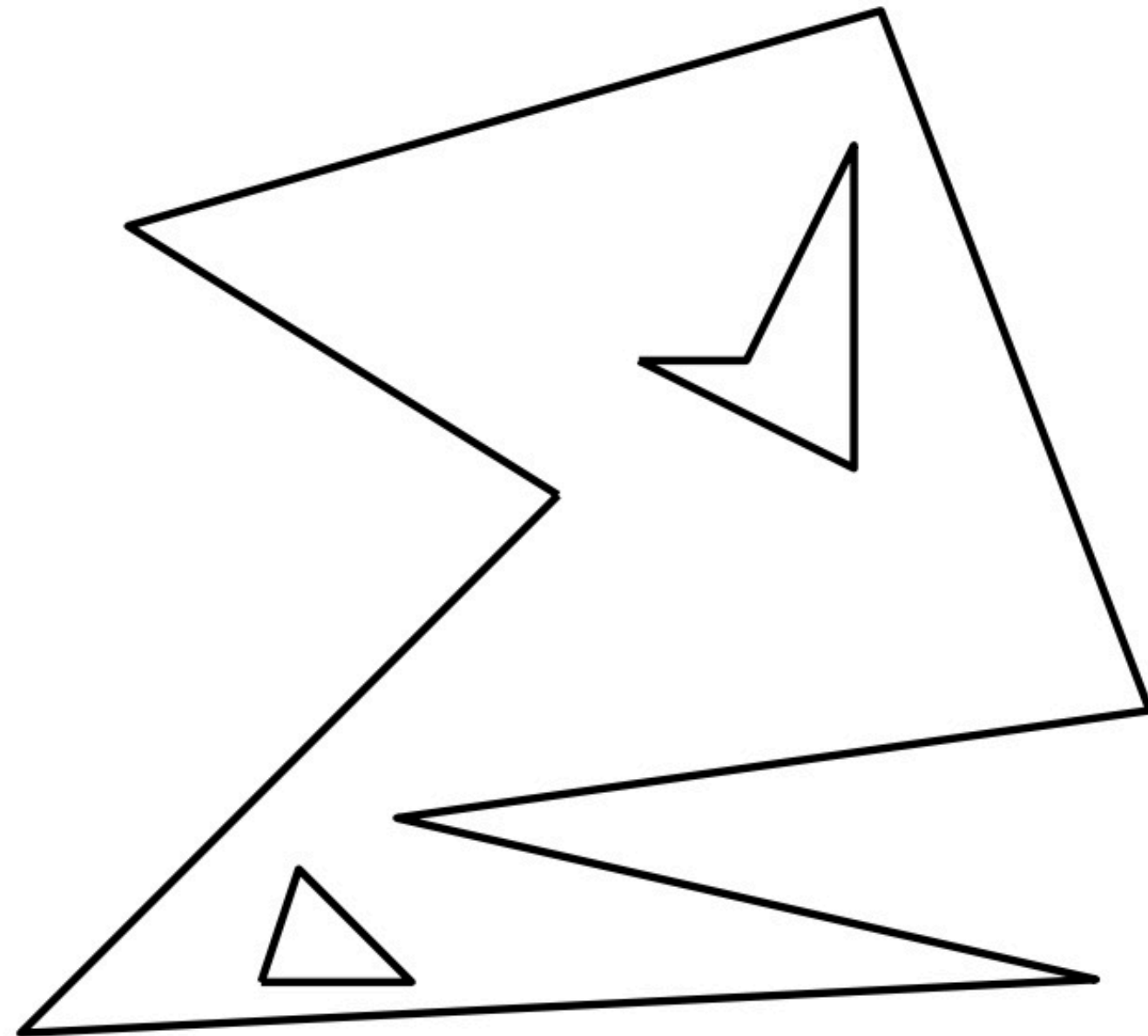
Computational Geometry: Solving Hard Optimization Problems (CG:SHOP)

CG Challenge 2023

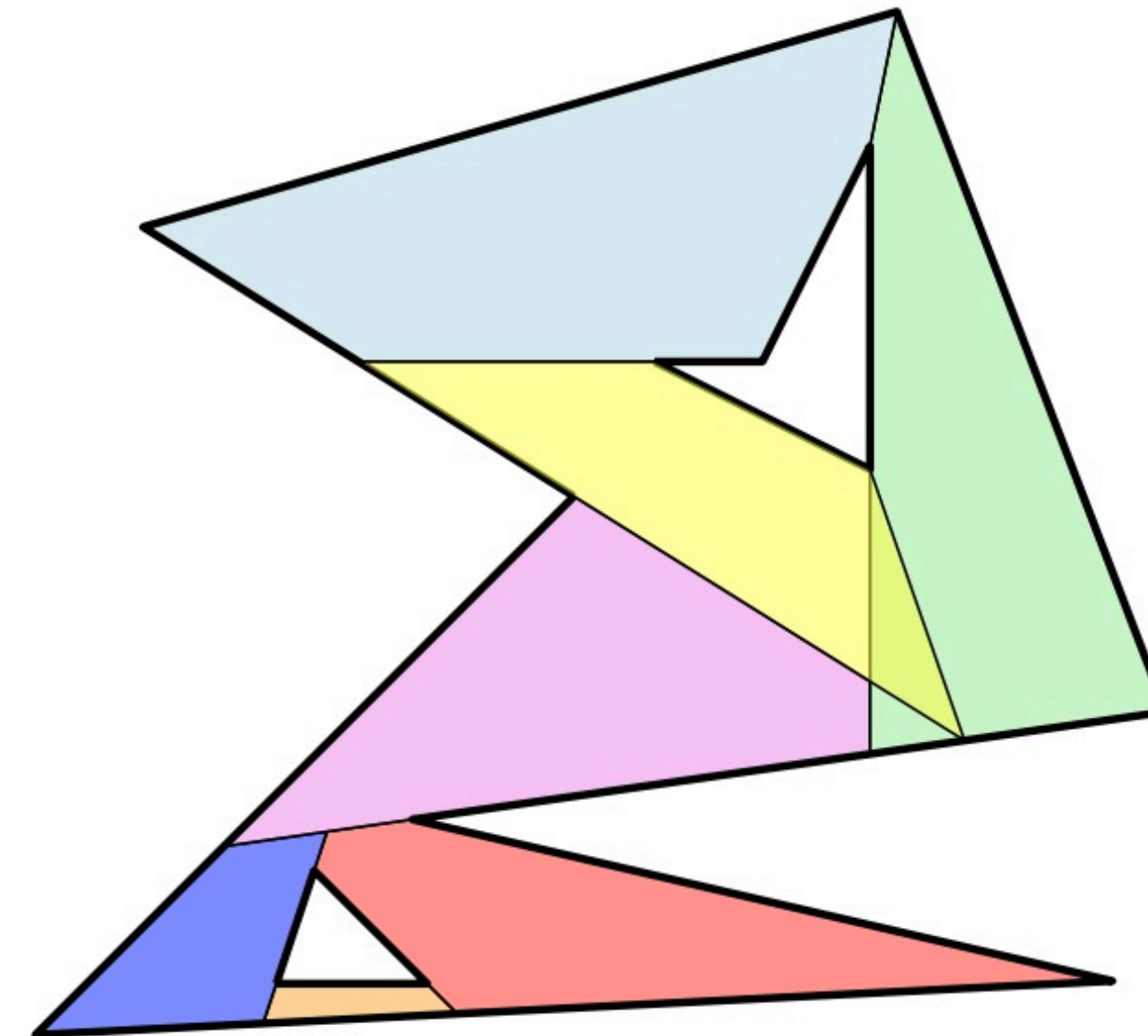
**Sándor P. Fekete, Dominik Krupke,
Phillip Keldenich, Stefan Schirra**

Minimum Coverage by Convex Polygons

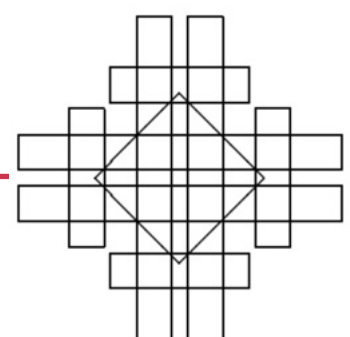
Given:



Wanted:



Proposed by Dan Halperin, Tel Aviv



History

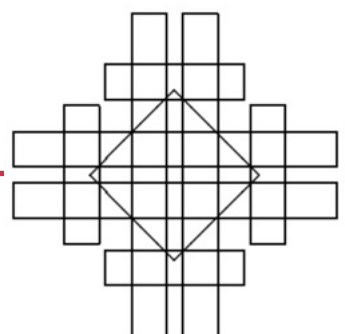
THE COMPLEXITY OF COMPUTING MINIMUM CONVEX COVERS FOR POLYGONS

JOSEPH O'ROURKE

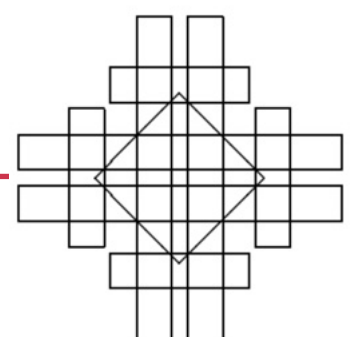
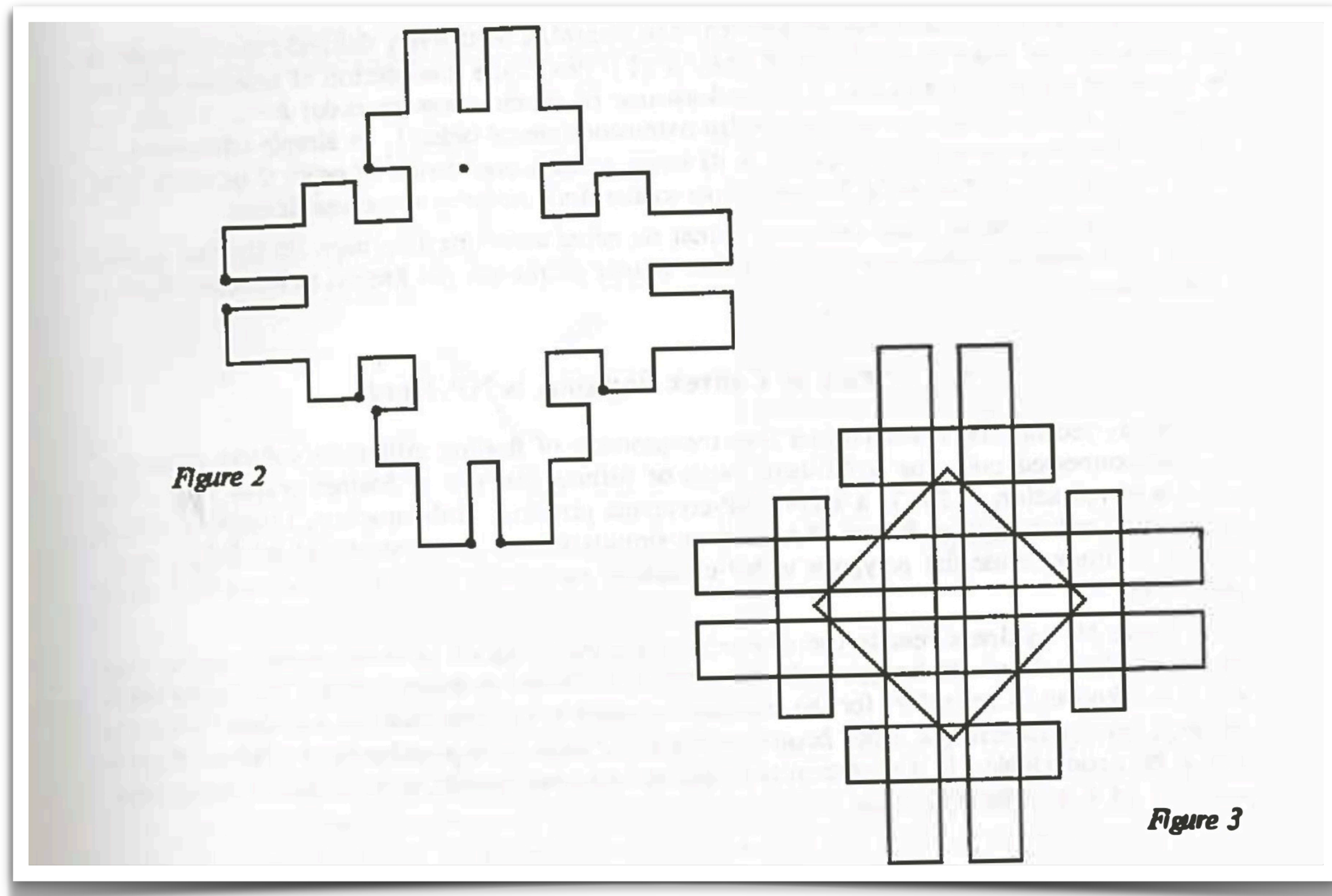
Department of Electrical Engineering and Computer Science
The Johns Hopkins University
Baltimore, MD 21218

ABSTRACT

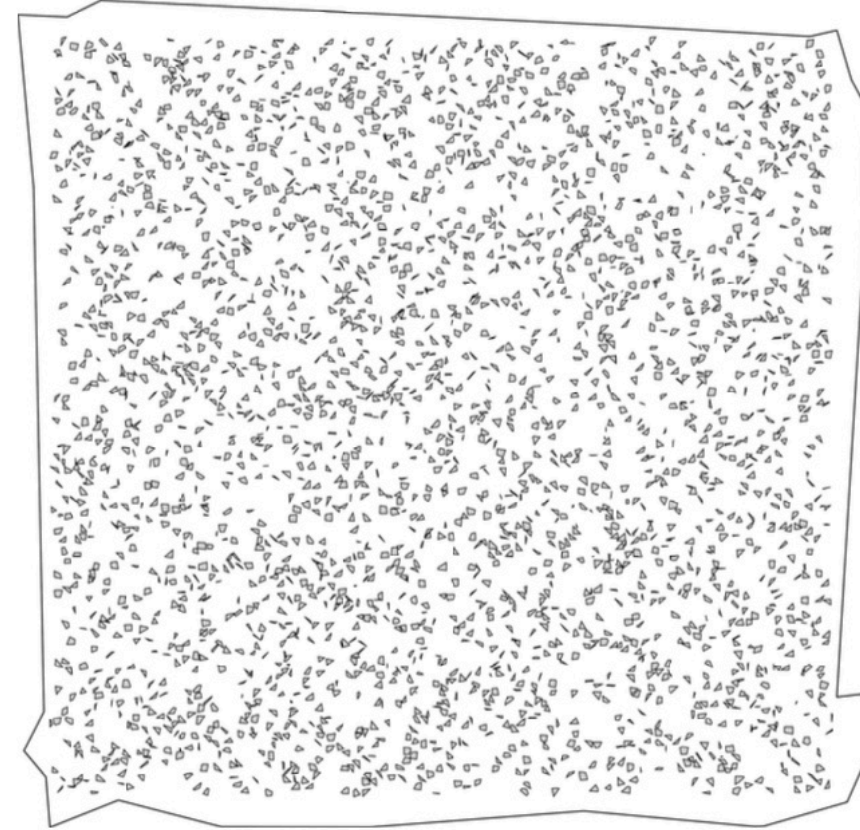
The computational complexity of the problem of finding a minimum convex cover for a polygon is reviewed. Although an NP-hard lower bound has been proven, no upper bound on the complexity is known. The lack of known restrictions on the Steiner points that may be necessary prevents naive searching algorithms from establishing the solvability of the problem. In this paper the problem is proven to be decidable by using Tarski's decision procedure for geometry.



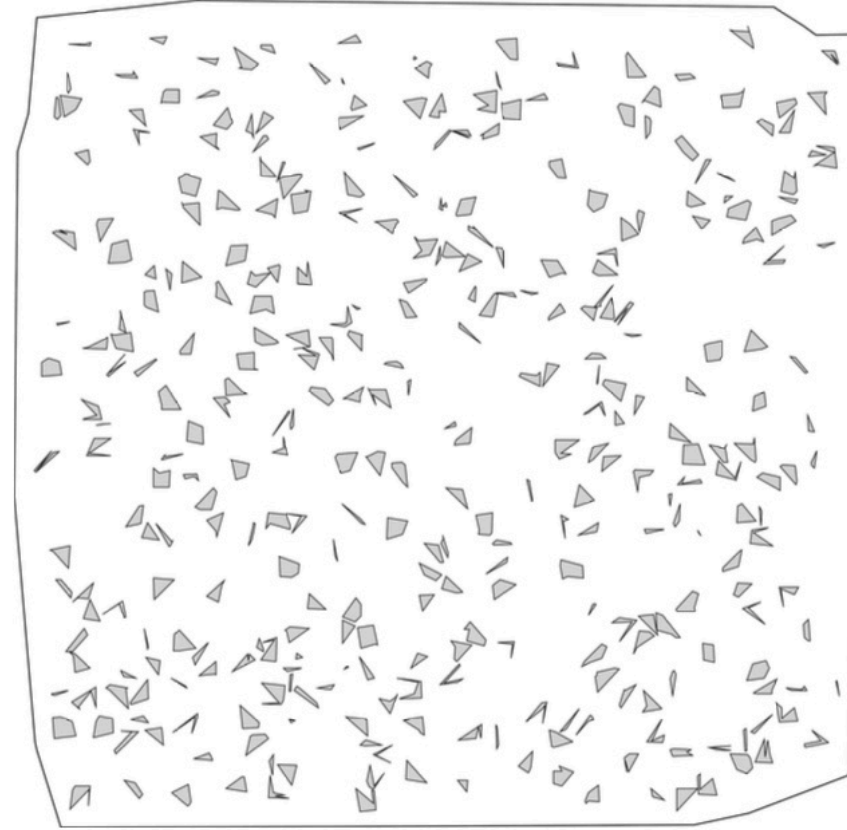
History



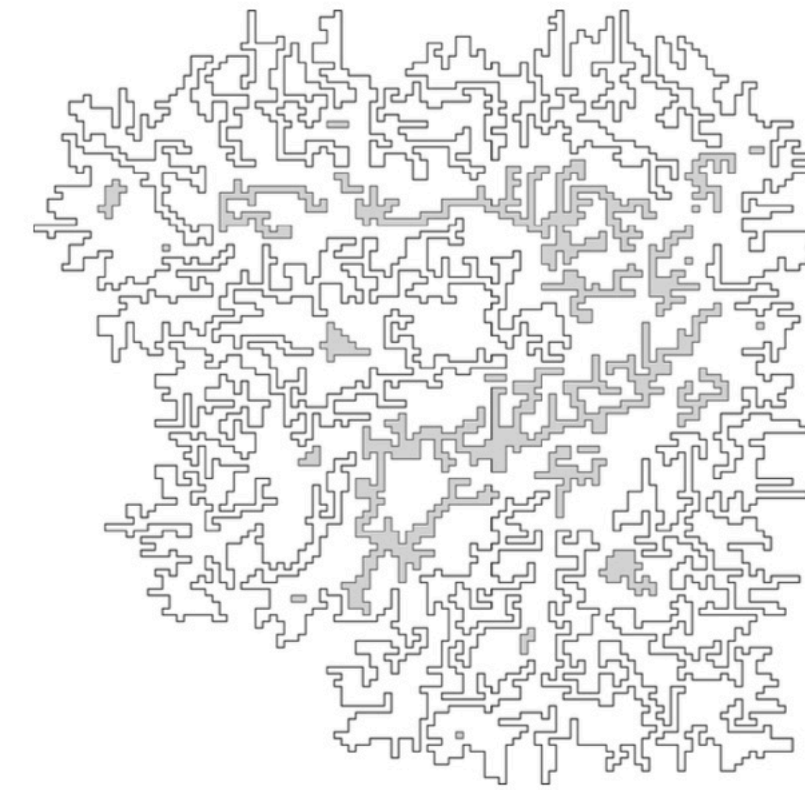
Instances



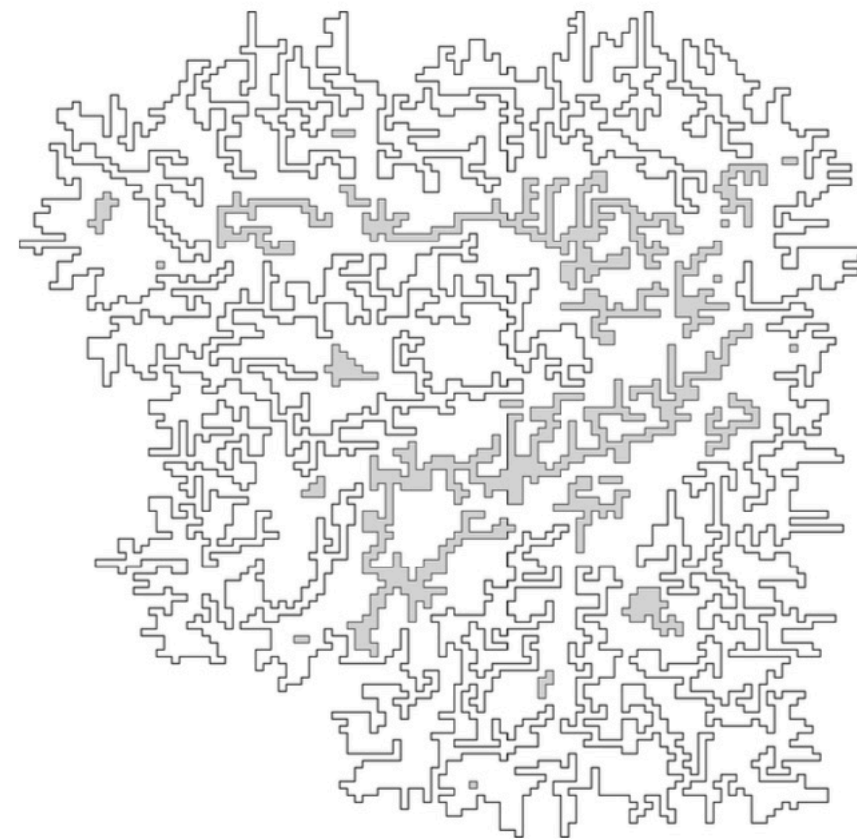
(a) Instance ccheese11045.



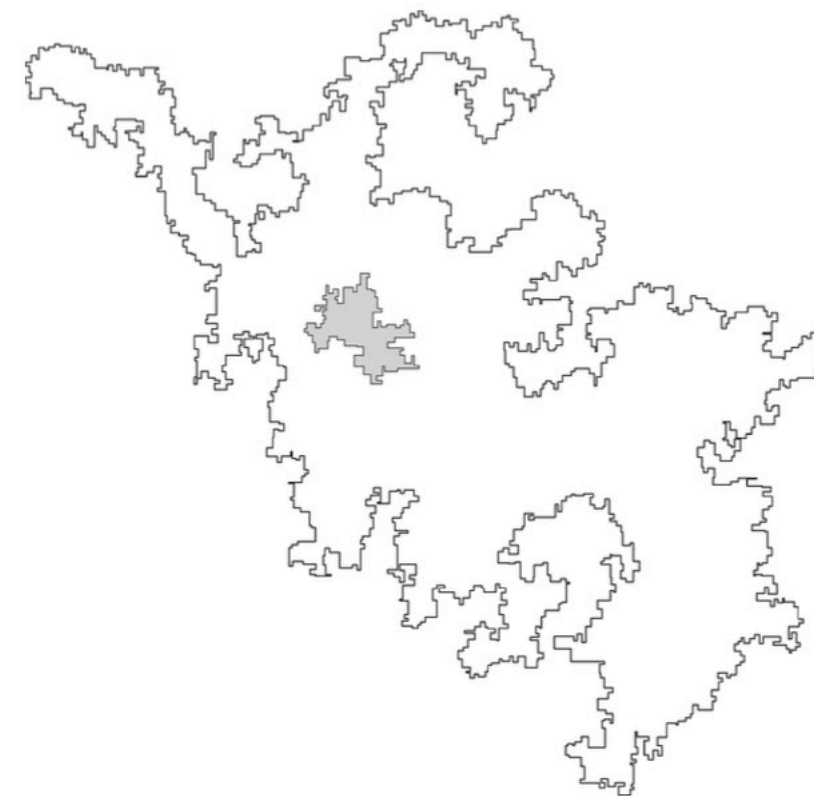
(b) Instance cheese1516.



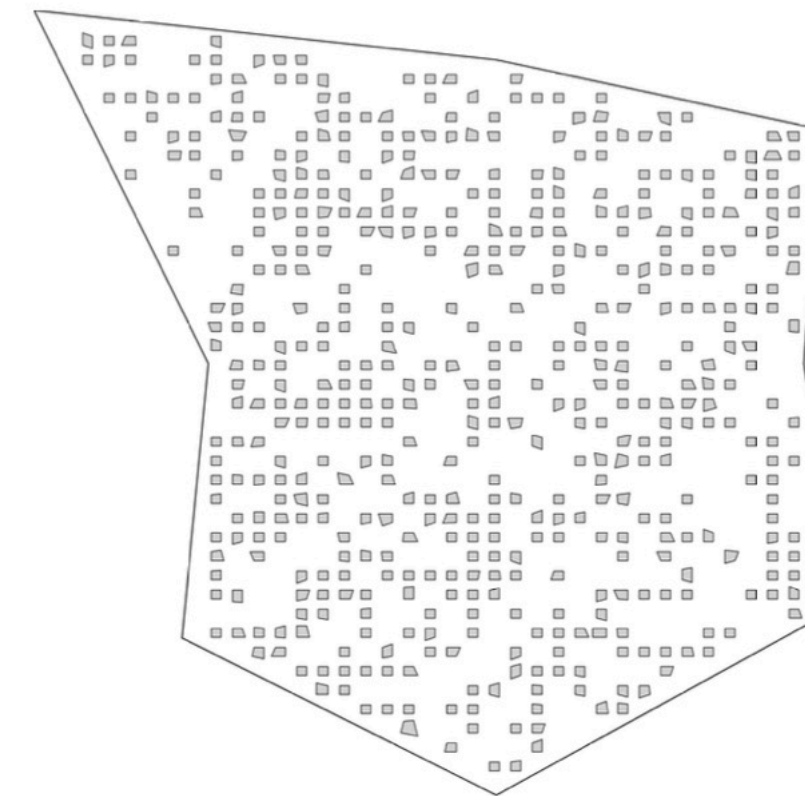
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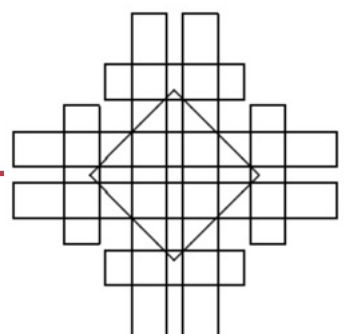
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(e) srpg_iso_mc0001964.



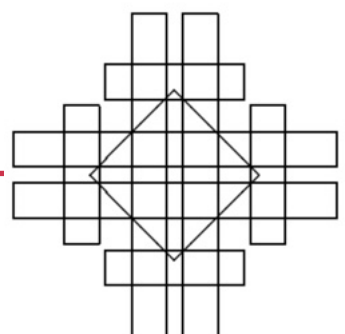
(f) maze_2534_250_05_01.



Results

Rank	Team
1	DIKU (AMW)
2	Shadoks
3	BX23
4	SmartLab
5	agr
6	rkPlayground
7	Karteflan
8	Ofir
9	pjgblt
10	cgl@tau
11	AE - TU Dortmund
12	Luiwammes-kwadraat
13	Computationally Clueless
14	camel_case
15	Anonymous
16	Anonymous
17	UNIST
18	Anonymous

Rank	Team	Score	Junior
1	DIKU (AMW)	201.571	
2	Shadoks	198.347	
3	BX23	144.150	
4	SmartLab	142.925	✓
5	agr	122.400	
6	rkPlayground	121.311	✓
7	Karteflan	103.392	✓
8	Ofir	103.223	
9	pjgblt	103.127	✓
10	cgl@tau	100.893	



Overall Situation

- Advisory Board:
 - Bill Cook
 - Andreas Fabri
 - Dan Halperin
 - Michael Kerber
 - Philipp Kindermann
 - Joe Mitchell
 - Kevin Verbeek

- Special issues 2019, 2021, 2022
- Problem for 2024!
- Funding stretched to 2024

Supported by:
DFG Deutsche
 Forschungsgemeinschaft
 German Research Foundation



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[Issue's Table of Contents](#)

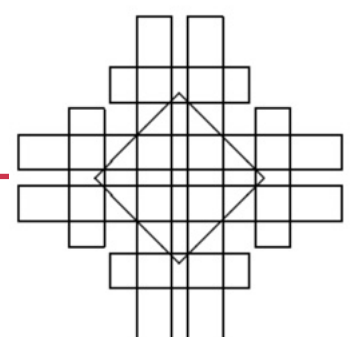
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 Received: 1 February 2021



Challenge 2024



Packing polygons

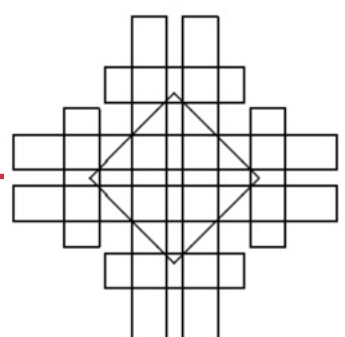


motions		⤵ ⤴				⤵ ⤴			
pieces		⬠	⬠	⬠	⬠	⬠	⬠	⬠	⬠
containers	⬠	ER*	ER	ER	ER	ER*	ER	ER	ER
	⬠	?	ER	ER	ER	NP	NP	?	ER
	⬠	?	ER*	ER*	ER	NP	NP	?	ER*

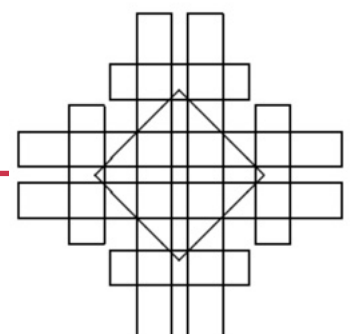
- ⬠ square
- ⬠ convex polygon
- ⬠ convex curved polygon
- ⬠ simple polygon
- ⬠ curved polygon

- ⤵ ⤴ rigid motion
- ⤵ ⤴ translation

Proposed by Mikkel Abrahamsen, Copenhagen

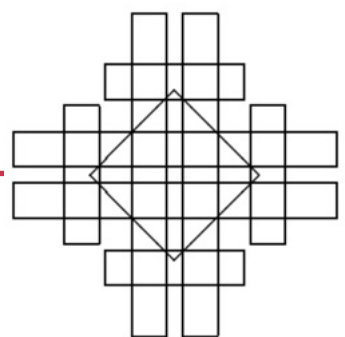


Test of Time Award

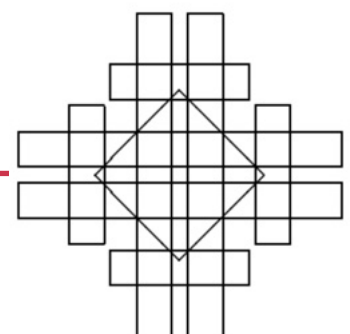


Test of Time Award

- Formed in 2018
- First ToT Award in 2020 and annually since
- ToT Committee:
 - Pankaj K. Agarwal
 - Siu-Wing Cheng
 - Raimund Seidel
 - Emo Welzl
- Session on Thursday!

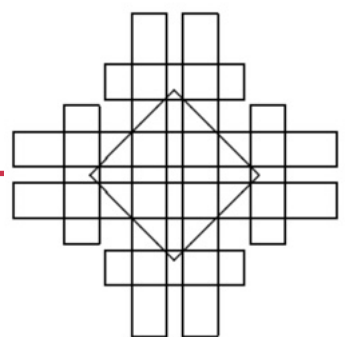


CGWeek 2024



CGWeek 2024: Athens!

- **Organization:** Ioannis Emiris, Evanthia Papadopoulou, Konstantinos Tsakalidis, Eleni Sotiropoulou
- **SoCG chairs:** Wolfgang Mulzer, Jeff Phillips
- **PC members:** Peyman Afshani, Hee-Kap Ahn, Boris Aronov, Sayan Bandyoadhyay, Gill Barequet, Karl Bringmann, Maïke Buchin, Tamal Dey, Omrit Filtser, Sarel Har-Peled, Meng He, Michael Hoffmann, Chaya Keller, Clement Maria, David Mount, Steve Oudot, Dömötör Pálvölgyi, Evanthia Papadopoulou, Salman Parsa, Zuzana Patakova, Benjamin Raichel, Lena Schlipf, Melanie Schmidt, Rodrigo Silveira, Micha Sharir, Andrew Suk, Subhash Suri, Martin Tancer, Yufei Tao, Csaba Toth, Bigit Vogtenhuber





ATHENS, GREECE

10-14 JUNE 2024

SoCG 2024

CG Week / SoCG 2024



Athens, Greece

Tue. 11th – Fri. 14th of June

Mon. 10th June for satellite event(s)

SoCG 2024

LOCAL ORGANIZING COMMITTEE ○○○○

Ioannis Emiris

Athena Research
Center
(Chair)

**Georgios - Alexis
Ioannakis**

Athena Research
Center

**Evanthia
Papadopoulou**

Università della
Svizzera italiana

Ioannis Psarros

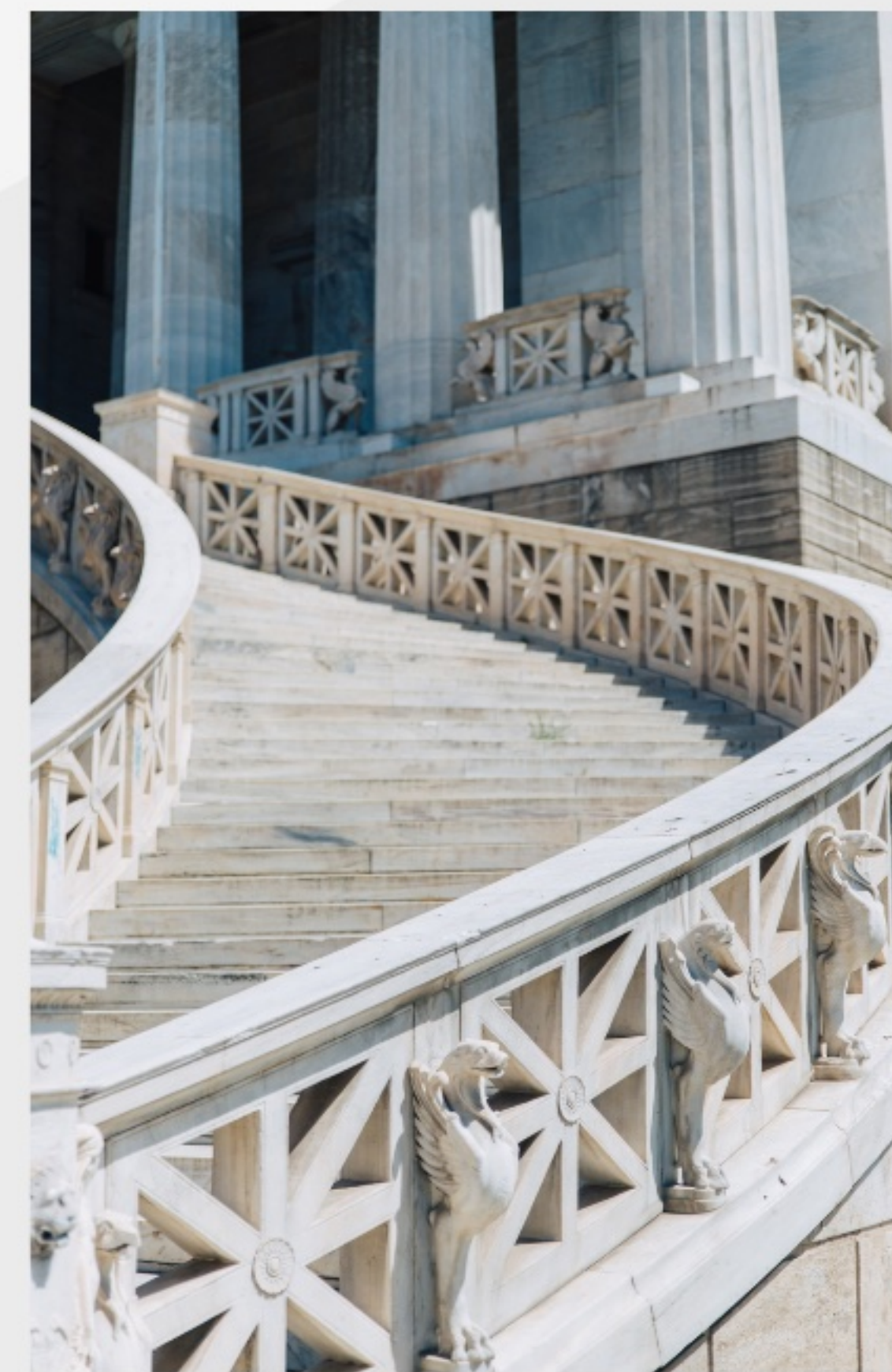
Athena Research
Center

Eleni Sotiropoulou

Athena Research
Center

**Konstantinos
Tsakalidis**

University of
Liverpool





EUGENIDES FOUNDATION
PUBLIC BENEFIT FOUNDATION
HONORED WITH THE GOLD MEDAL OF THE ATHENS ACADEMY

THE VENUE

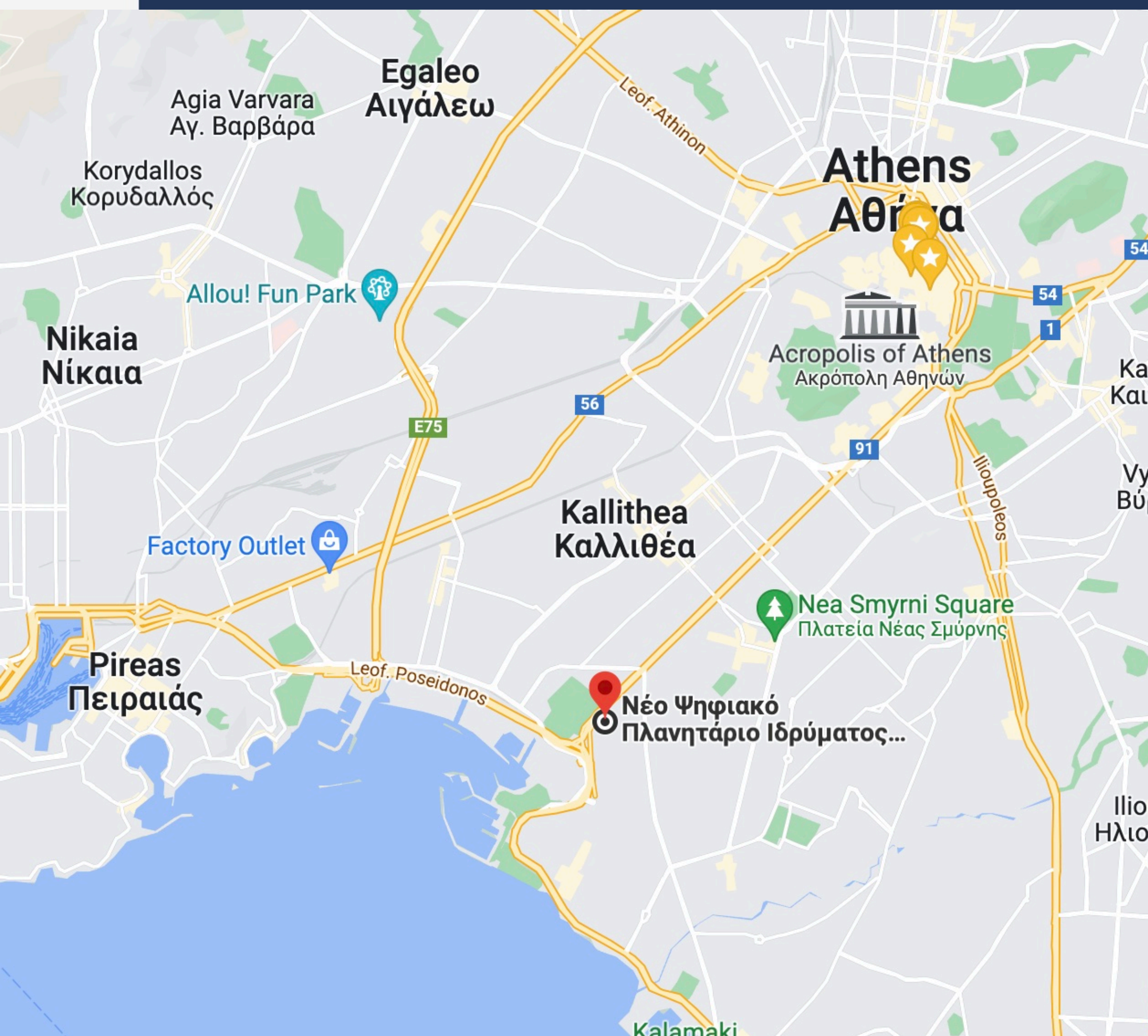
- Digital Planetarium
- Interactive Exhibition of Science and Technology
- Library



SoCG 2024



VENUE LOCATION & ACCESSIBILITY

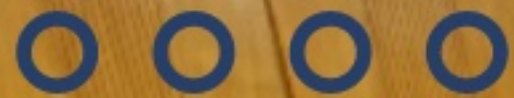


Located on Sygrou Ave., opposite the S. Niarchos Foundation Cultural Centre, which houses the National Opera and Library.

Local transport: Red Metro line to Sygrou-Fix, then 3 km by bus (8 lines) or taxi.

Distance from the Venue to:

- Airport **34 km**
- City center **5,5 km**
- Organized beach **4,5 km**
- Flisvos Marina **1,9 km**



AUDIOTORIUM

Main Conference Room

Level: 1

Capacity: 420 people

SoCG 2024



CONFERENCE HALL

Meeting Groups Needs

Level: 1

Capacity: 120 people

SoCG 2024



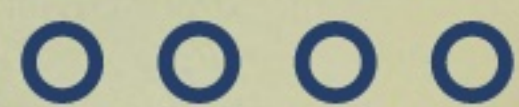
MEETING ROOM

Meeting Groups Needs

Level: 1

Capacity: 40 people

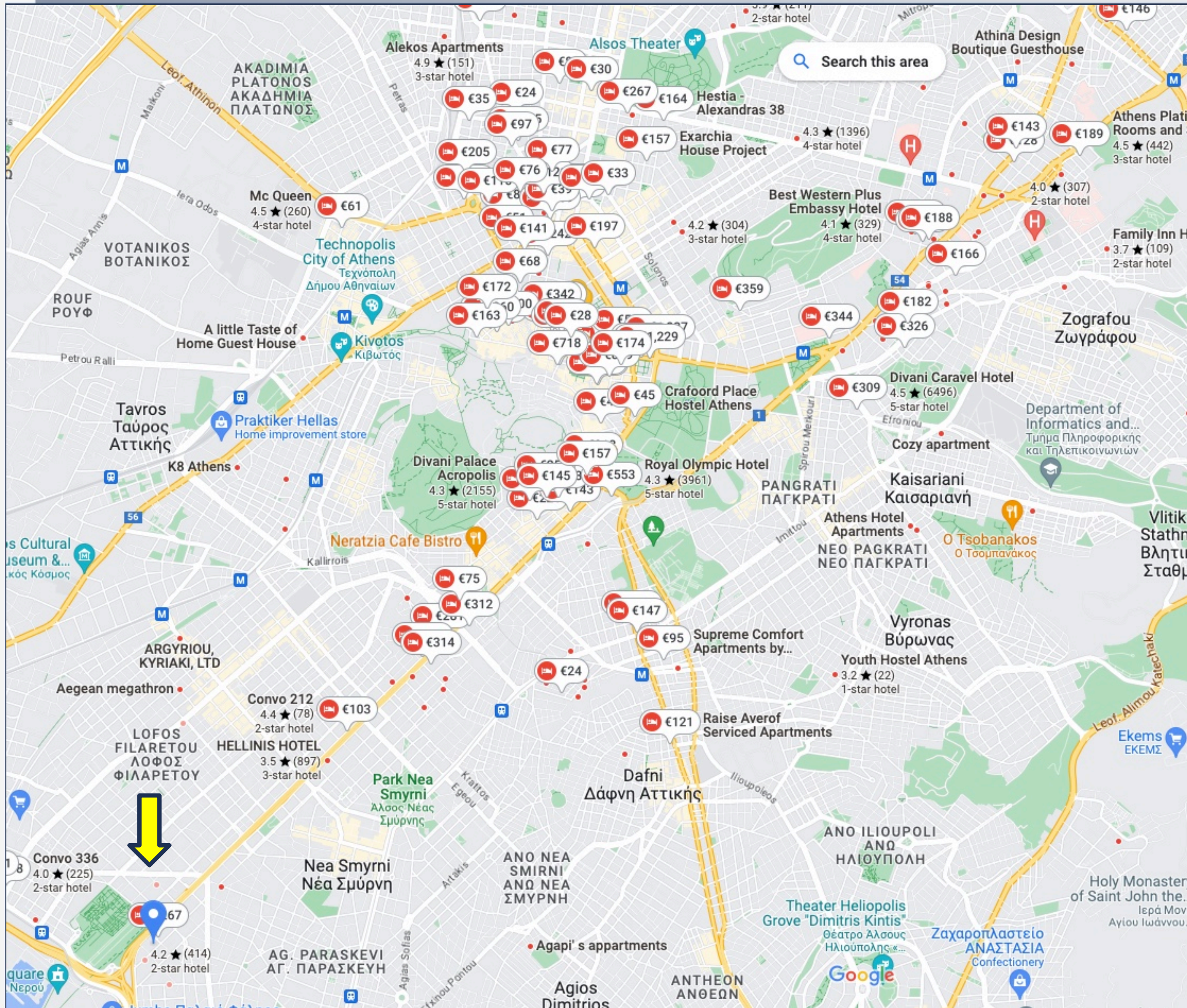
SoCG 2024



PERISTYLE

Level: Ground Floor

Capacity: 300 people



Accommodation

There are many hotels nearby the Venue.

We have already pre-booked some rooms to the following hotels. This list will be soon enriched:

Athens Marriot Hotel*****

<https://www.marriottathens.gr/>

250-270 ευρώ

100m from the venue

Athens Avenue Hotel****

www.athensavenuehotel.gr

130-140 Euros

2,5km from the venue – Evgenides foundation

Nestorio Hotel

<https://www.nestoriohotel.gr/en>

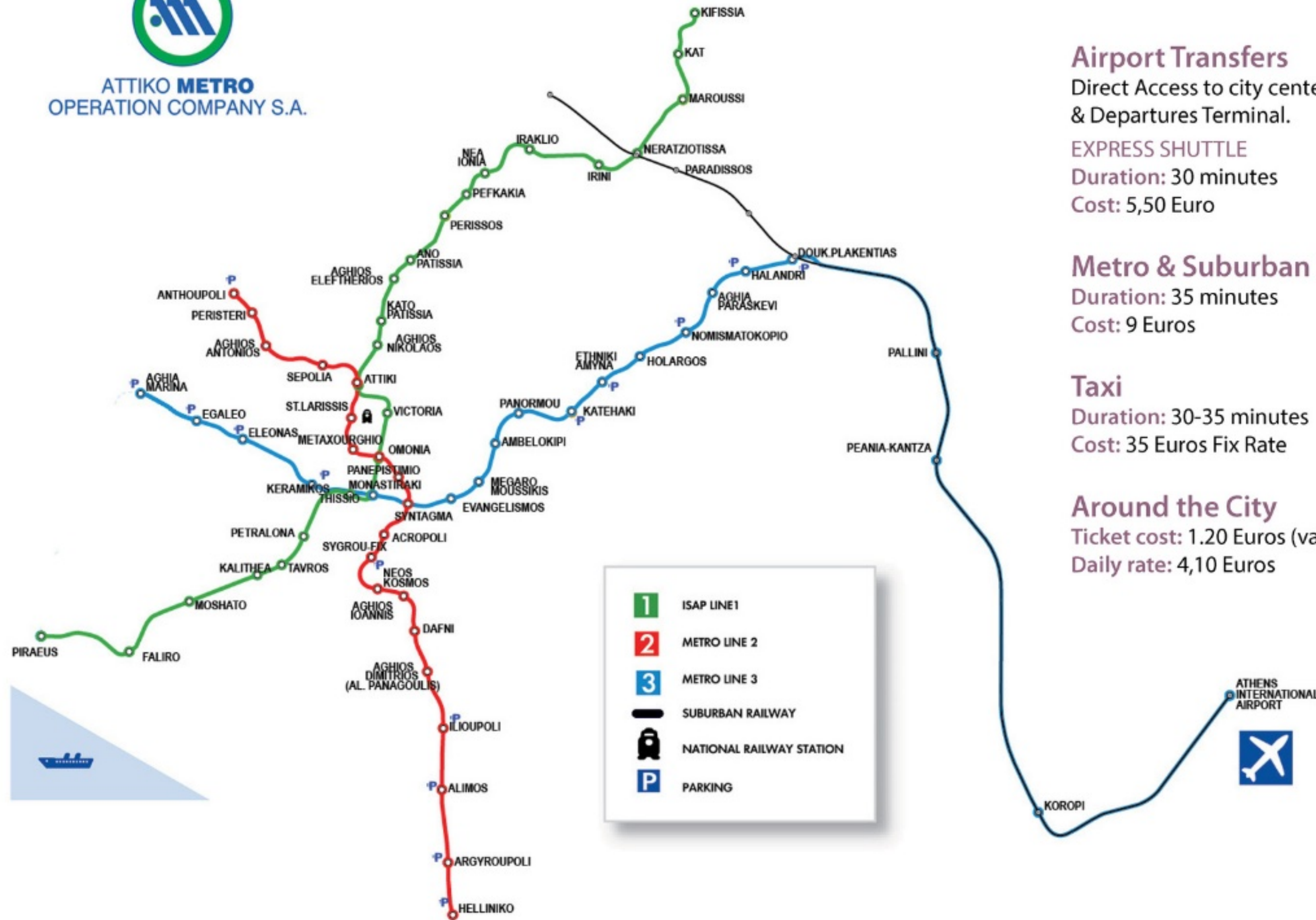
80 euros

100m from the venue

Deadline for final booking 20- 30 March 2024



ATTIKO METRO
OPERATION COMPANY S.A.



Airport Transfers

Direct Access to city center from Arrivals & Departures Terminal.

EXPRESS SHUTTLE

Duration: 30 minutes

Cost: 5,50 Euro

Metro & Suburban Railways

Duration: 35 minutes

Cost: 9 Euros

Taxi

Duration: 30-35 minutes

Cost: 35 Euros Fix Rate

Around the City

Ticket cost: 1.20 Euros (valid for 1 ½ hours)

Daily rate: 4,10 Euros



LOCAL TRANSPORTATION

You can get to the EF by:

Metro (Red line, stop at Sygrou Fix. Then, 4 km by bus/taxi)

Bus/Trolley (8 lines)

SoCG 2024



FEATURES

Up to 4 halls / rooms for parallel sessions

Many nearby hotels at various prices

Registration fees include 2 coffee breaks daily, welcome reception, and social dinner (seaside restaurant)

Offer childcare

SoCG 2024

REGISTRATION FEES

- Regular Fee 300 Euros
- Late Regular 370 Euros
- Student Fee 200 Euros
- Late Student 250
- Online 60 Euros





***SOCIAL DINNER..
by the sea***

SoCG 2024

THE WEATHER



- 12 hours of sunshine
- 15 hours of daylight
- Daytime high temperature 30°C
- Evening temperature around 12°C

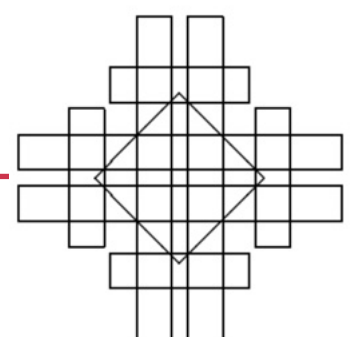
SoCG 2024

SEE YOU IN ATHENS

SoCCG 2024



„New“ Society



CG Society

Progress Report & Plans

Bettina Speckmann

Herman Haverkort

Frank Staals

Purpose of the Society

The society has the goal to promote scientific research in computational geometry and computational topology by organizing the free, international exchange of knowledge, experience, and ideas in these research areas.

The main idea:

- The society organizes scientific events in a safe and inclusive manner
- Only members of the society can buy tickets and attend the events¹

1. Invited speakers, local students, etc. are exempt from this requirement

Proposed structure

Computational Geometry Society

Board

manages day-to-day operation of the society

Audit Committee

checks whether the annual financial report

IT Committee

manages necessary IT infrastructure (e.g. website, BeLenios, mailinglist)

Code of Conduct Committee

receives, hears, and evaluates accusations of misconduct

CGWeek Steering Committee

responsible for the scientific content at CGweek

CGWeek Local Organizers Year Y Committee

Organizes CGWeek in Year Y

CGWeek Local Organizers Year Y+1 Committee

EuroCG?

CCCG?

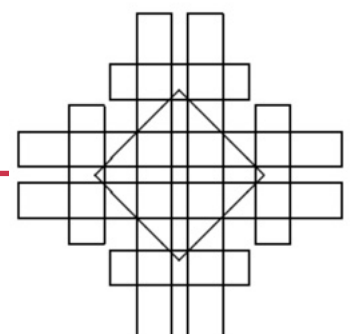
Proposed Structure

- Board (and Steering Committee) will be elected by all members
similar setup as currently for SC
- CoC Committee will be appointed by the Board
as per procedure presented last year
- There will be an annual online General Assembly
- There will be a website on which you can register as a member of the Society

Planned Timeline

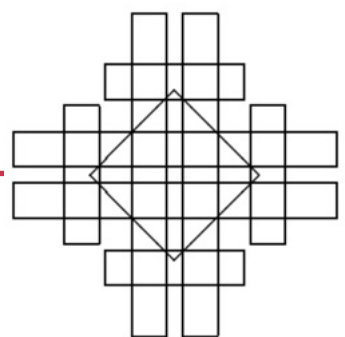
- Now-30 June:
See any critical bugs: contact us (Frank Staals <f.staals@uu.nl>)
- July-August: Work out remaining details in the statutes
- September: Meet with a lawyer to discuss statutes
- September-November: Found the Society
- December: Accept Member registrations
- February: Call for Elections for the Board
- June: Attend SoCG as a CG Society Member

CGWeek 2025

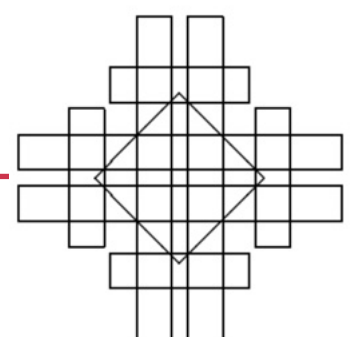


CGWeek 2025: Bids!

- **Grenoble (France):** Dominique Attali, Marc Glisse, Francis Lazarus, Arnaud de Mesmay, Isabelle Sivignon, Mathijs Wintraecken
- **Kanazawa (Japan):** Ryuhei Uehara
- **Malmö (Sweden):** Anna Brötzner, Bengt Nilsson, Valentin Polishchuk, Christiane Schmidt
- **Any other bids?**



(1) Grenoble, France



May 27-30, 2025 (?)

June 24-27, 2025 (?)

SoCG 2025

Grenoble, France



Local organizing committee

Dominique Attali
Gipsa-lab
Grenoble

Marc Glisse
DataShape
Paris

Francis Lazarus
G-SCOP
Grenoble

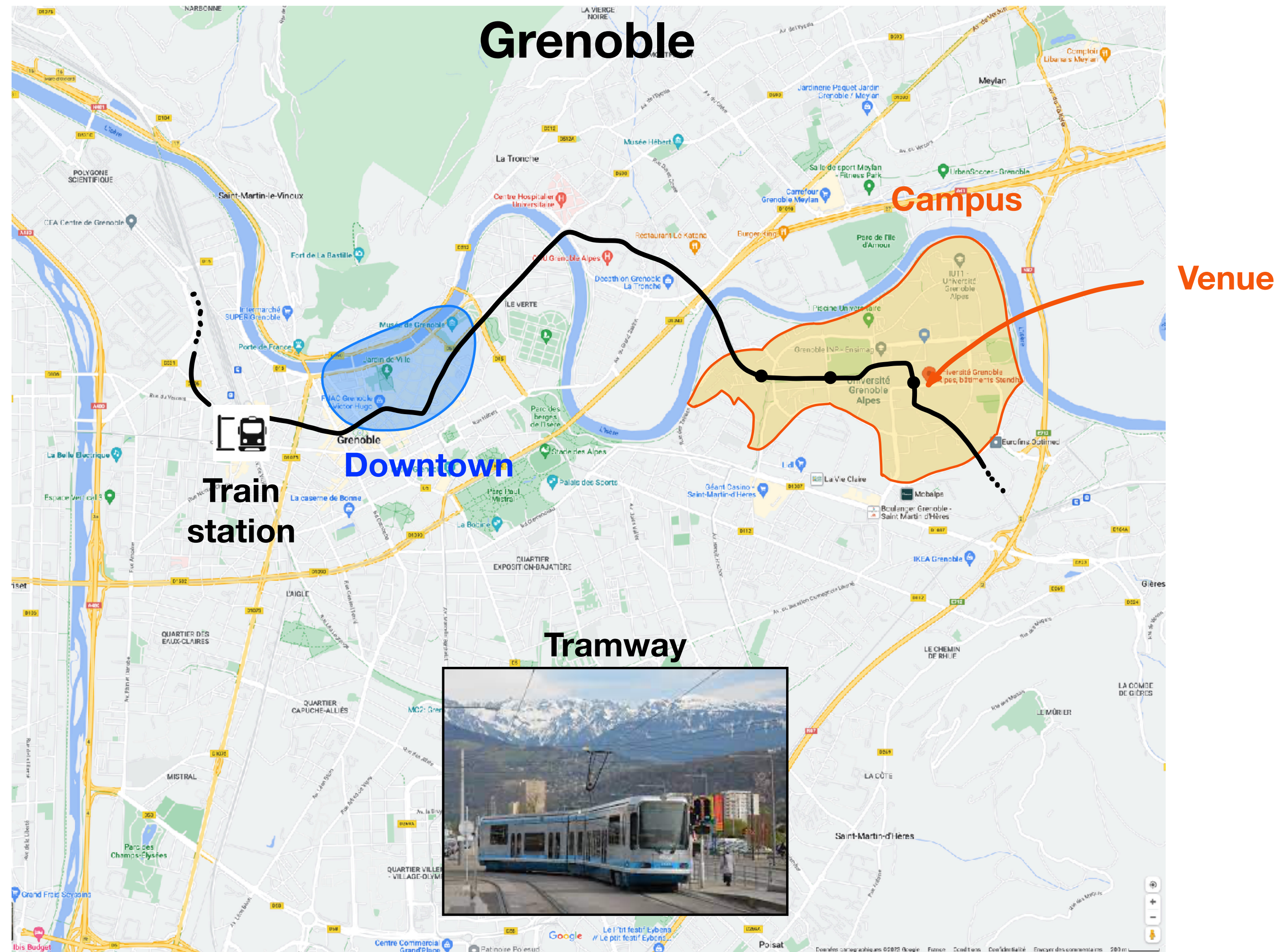
Arnaud de Mesmay
LIGM
Paris

Isabelle Sivignon
Gipsa-lab
Grenoble

Mathijs Wintraecken
INRIA DataShape
Sophia-Antipolis



Venue location & accessibility



Using the tramway, the venue is 30 min from train station, 20 min from downtown.

Venue location & accessibility

Campus



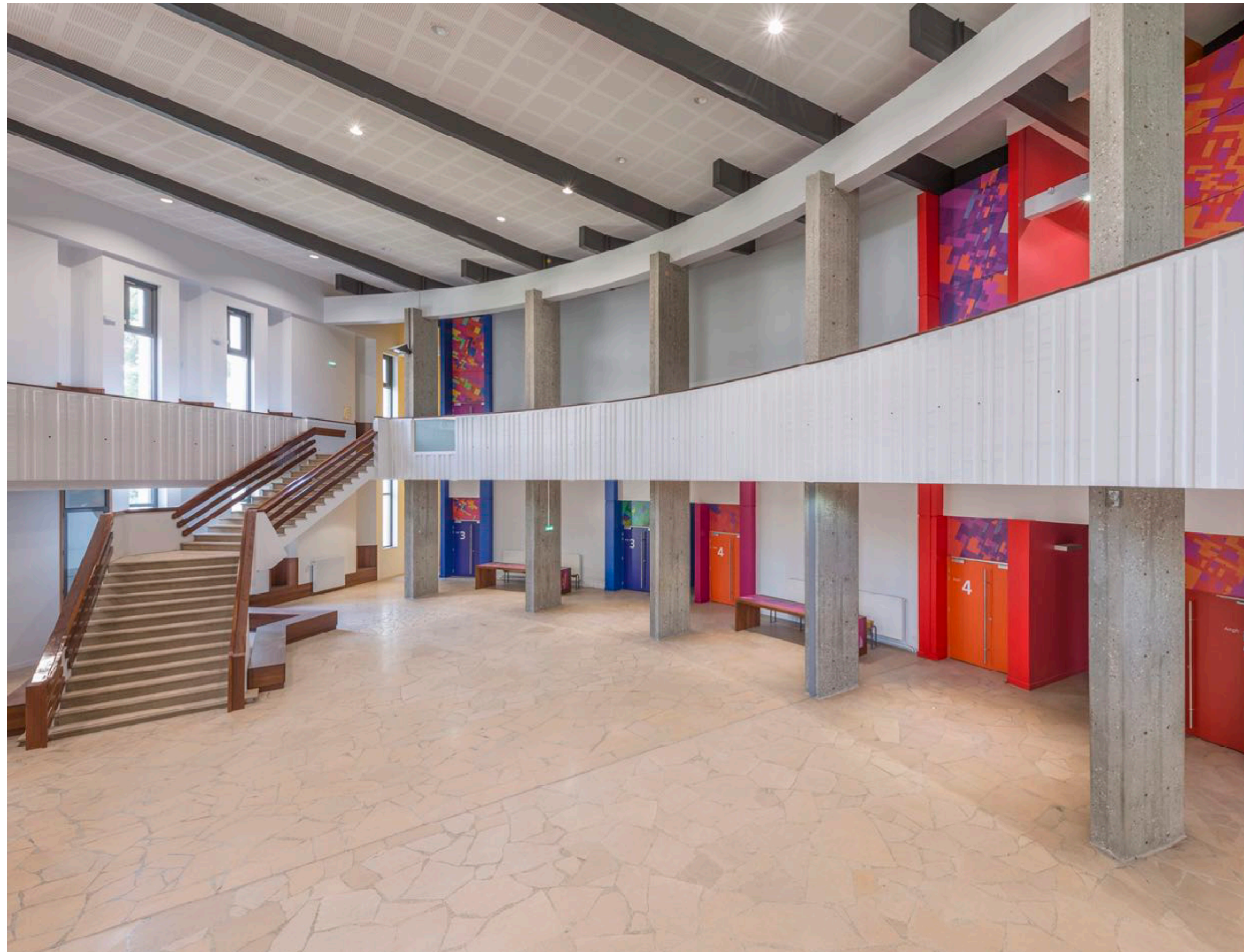
Venue location: Stendhal university

ARCHITECTES: JEAN BOTTINEAU & GEORGES PAUL
Constructed in the 60s

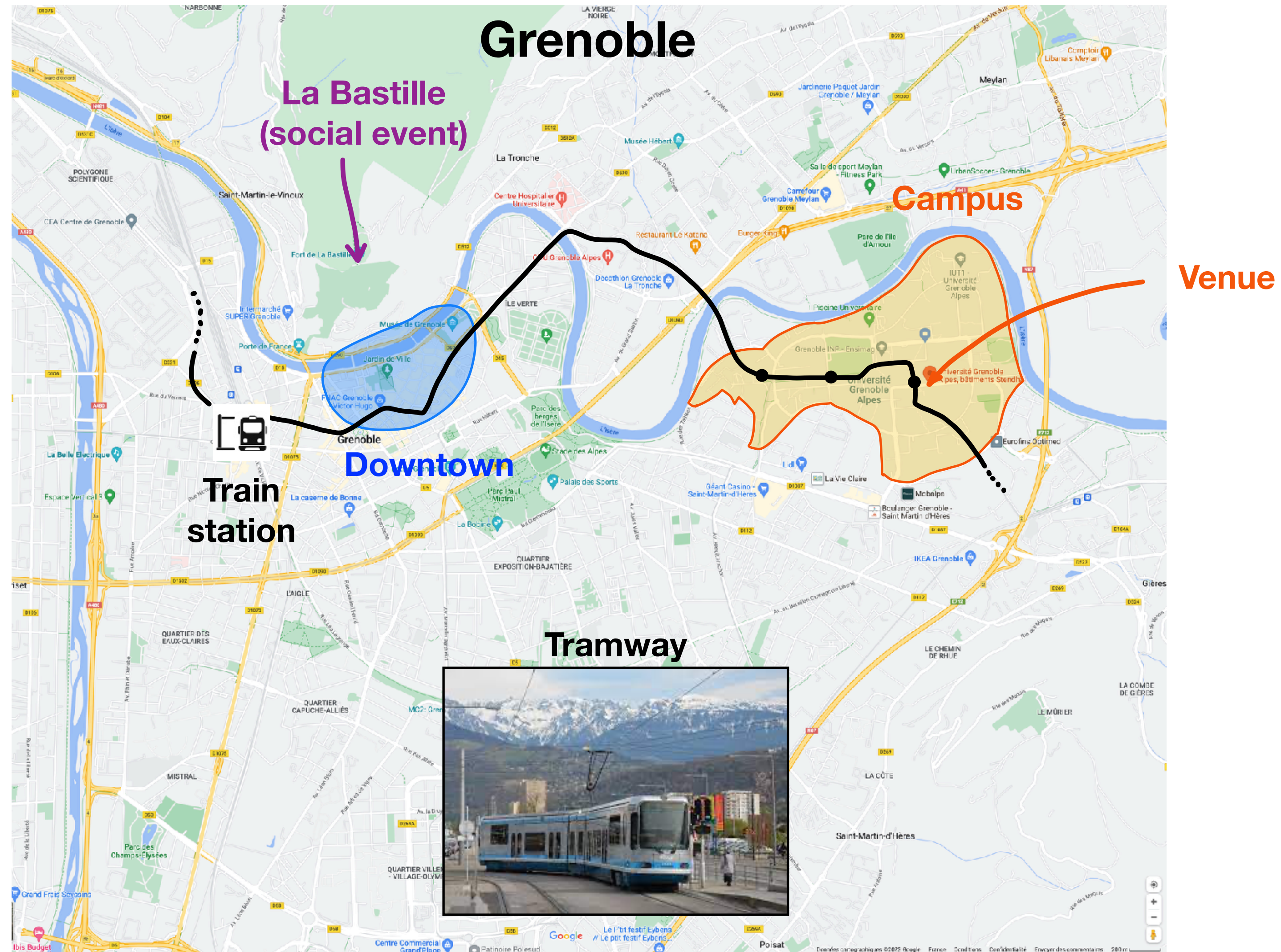


Venue location: Stendhal university

The north hall: 6 amphitheaters (500 pp, 2 x 230 pp, 1 x 150 pp, 75 pp)



Venue location & accessibility

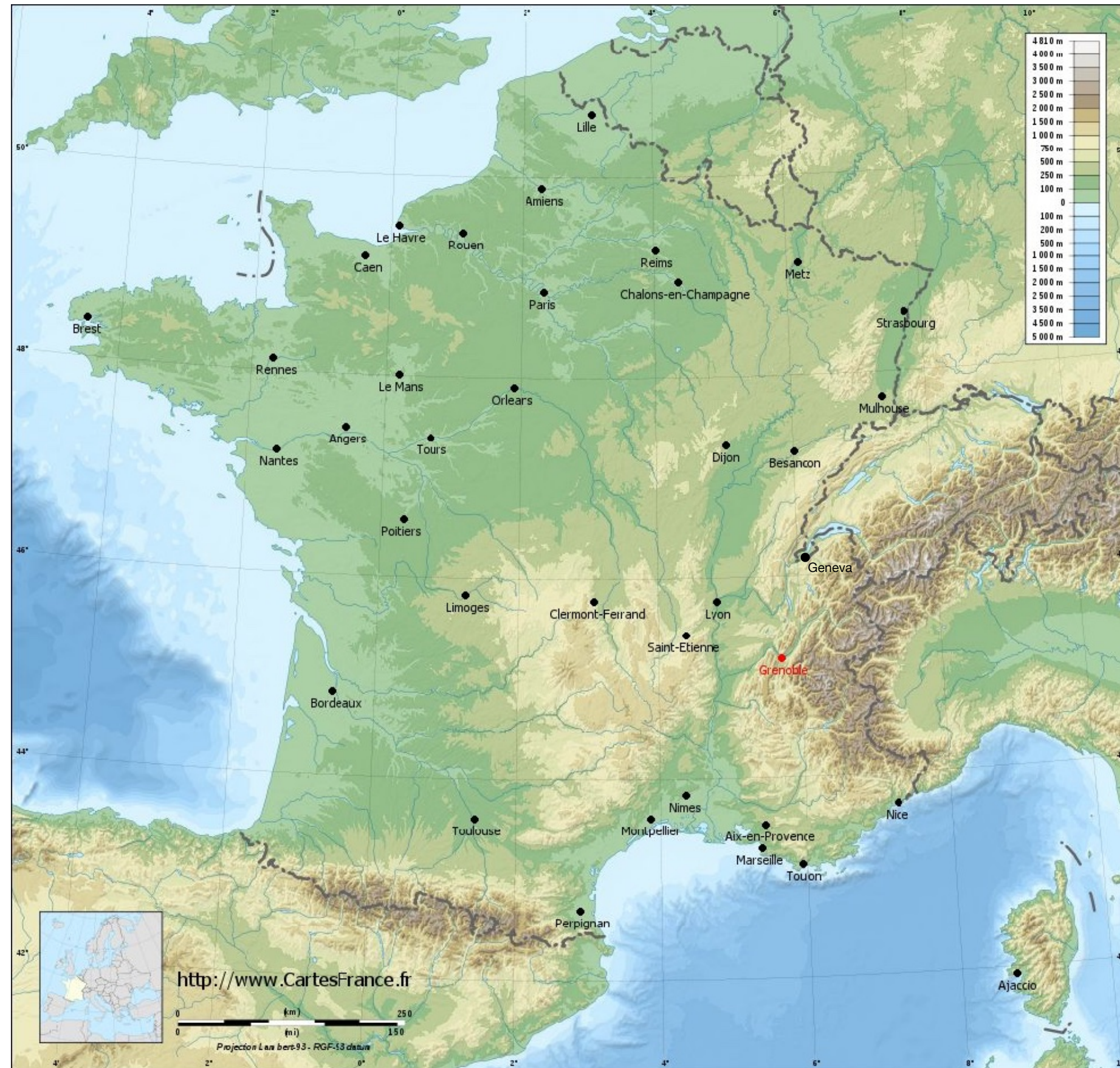


Social event



Restaurant at the top of la Bastille

Venue location & Accessibility



Distance from the Venue to:

- Airport in Lyon **1h10 by bus**
- Airport in Geneva **2h30 by bus**
- Train station in Paris **3h by TGV**

What to do in Grenoble

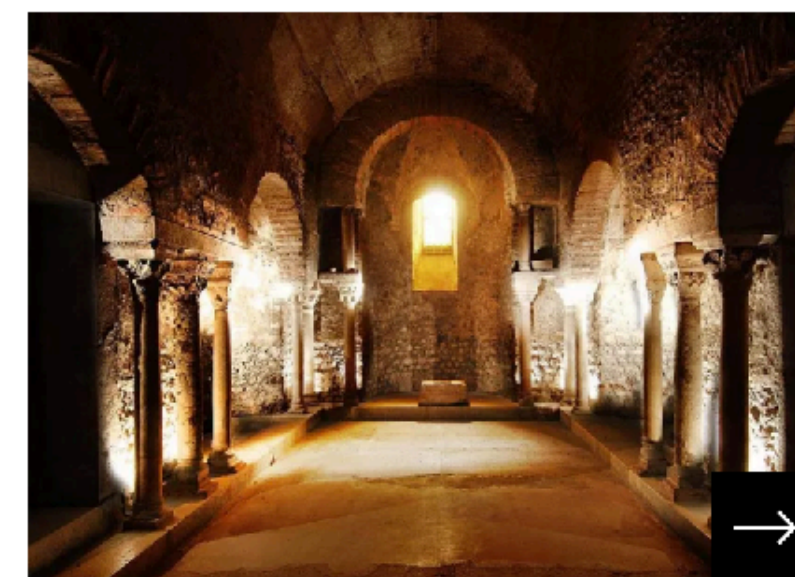
10 museums in Grenoble



**Musée de
Grenoble**



 **MUSÉE
DAUPHINOIS
GRENOBLE**



 **MUSÉE
ARCHÉOLOGIQUE
SAINT-LAURENT
GRENOBLE**



 **MUSÉE DE
L'ANCIEN-ÉVÊCHÉ
GRENOBLE**

Doors in wood



Biking

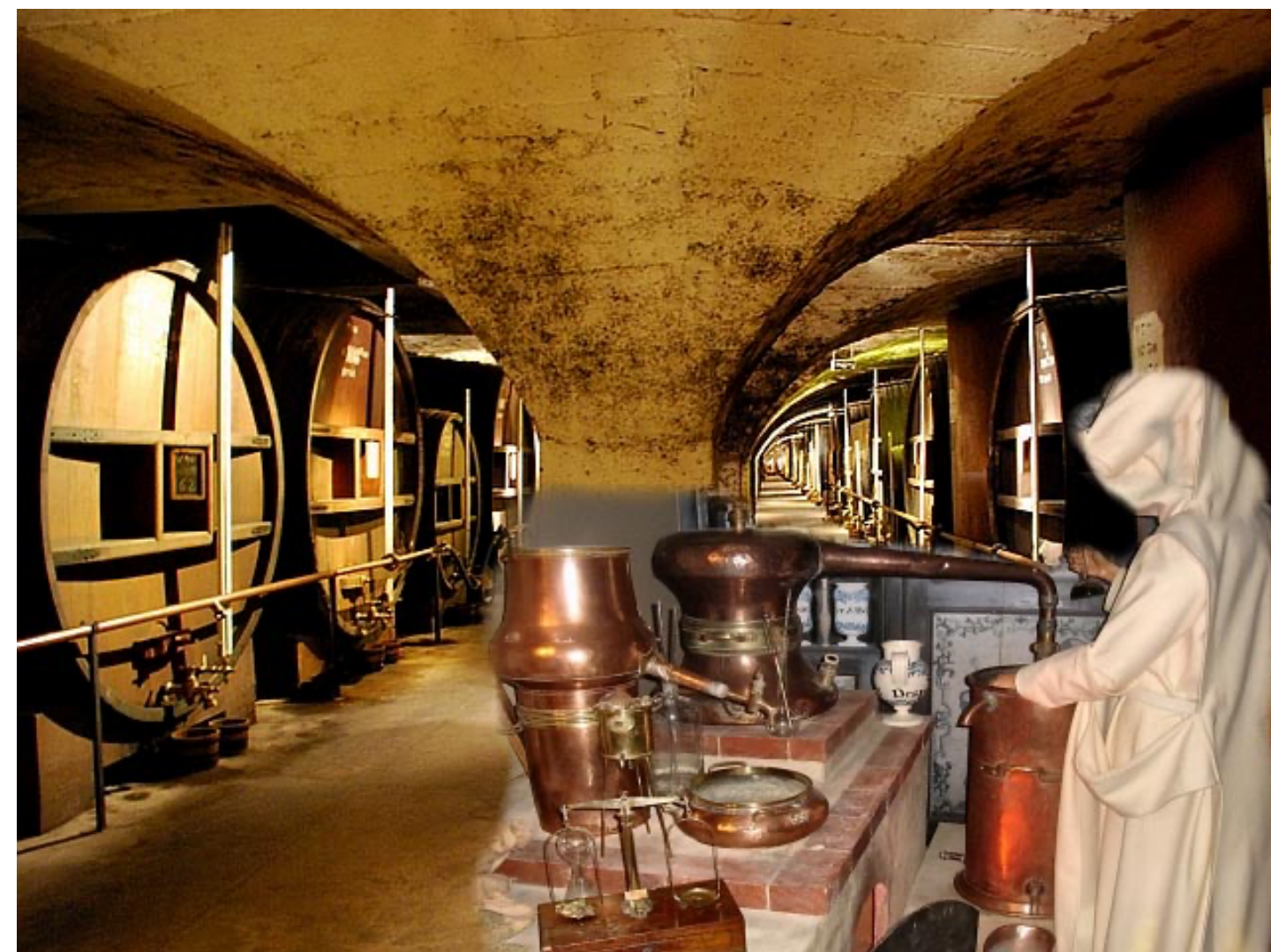
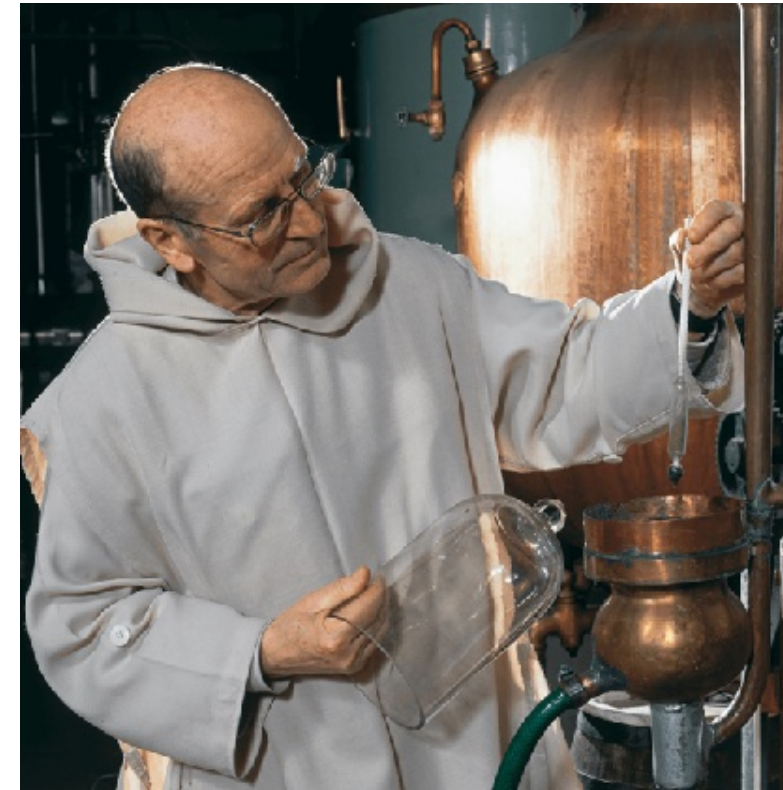


Grenoble: gateway to Chartreuse

Monks of the grande Chartreuse invented a liquor « The Chartreuse »
The recipe involves 130 plants and is still kept secret (known only by two monks).



the Grande Chartreuse monastery (26 km)



Cellar in Voiron (30km)



Practicalities

Registration fees

Between 350 € and 400 € (including lunches)

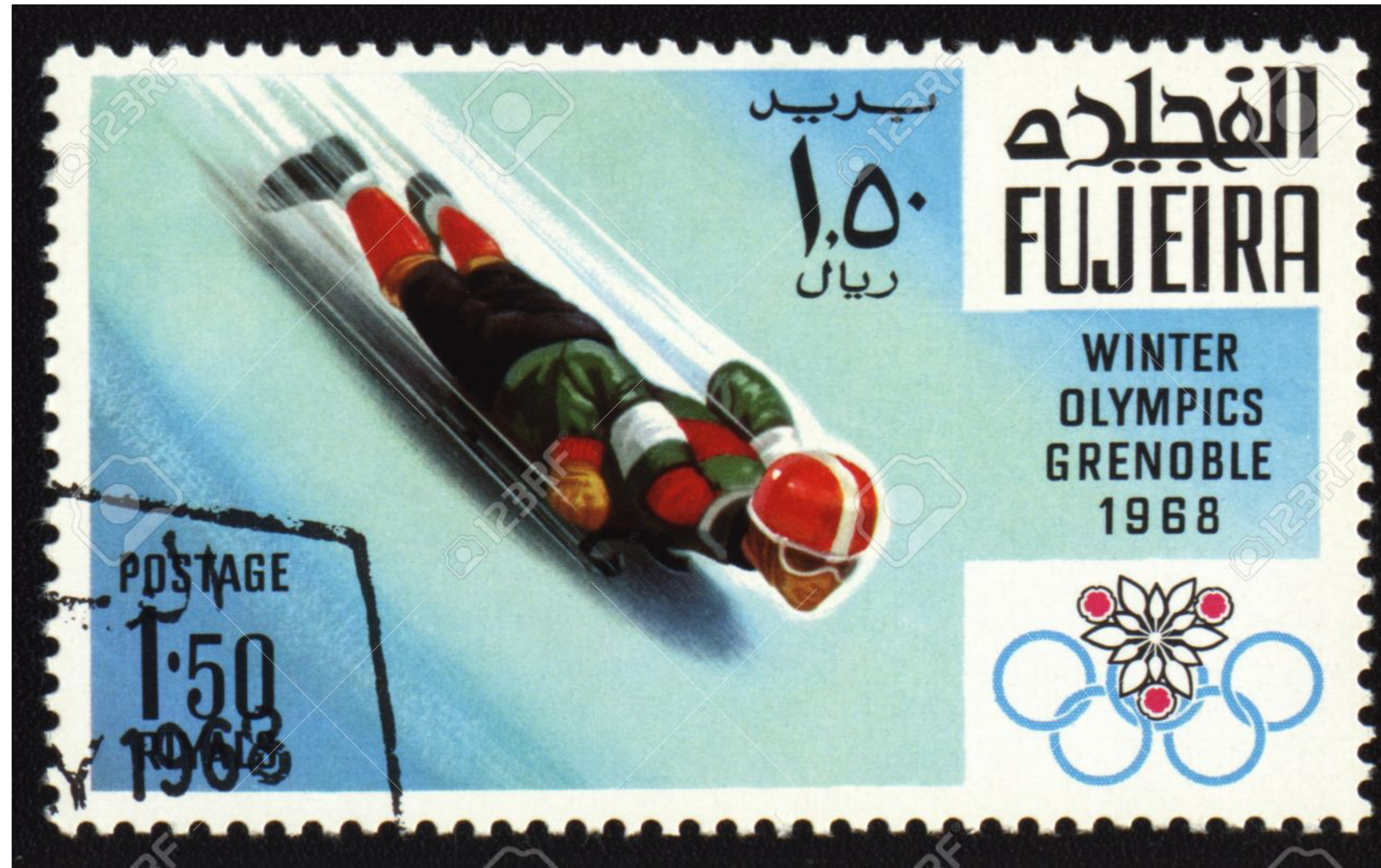
Childcare

One room on the campus near the venue will be used as a nursery

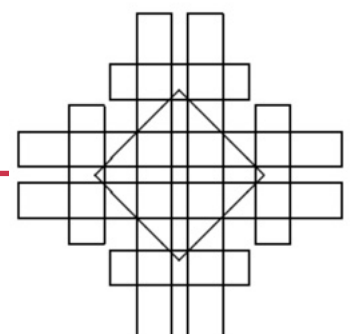
Dates

May 27-30 (+/-) or June 24-27 (+/-), 2025 (to avoid exam periods)

See you in Grenoble!



(2) Kanazawa, Japan



CGWeek 2025 in Kanazawa

by Ryuhei Uehara



Professor at
Japan Advanced Institute of Science and Technology (JAIST)

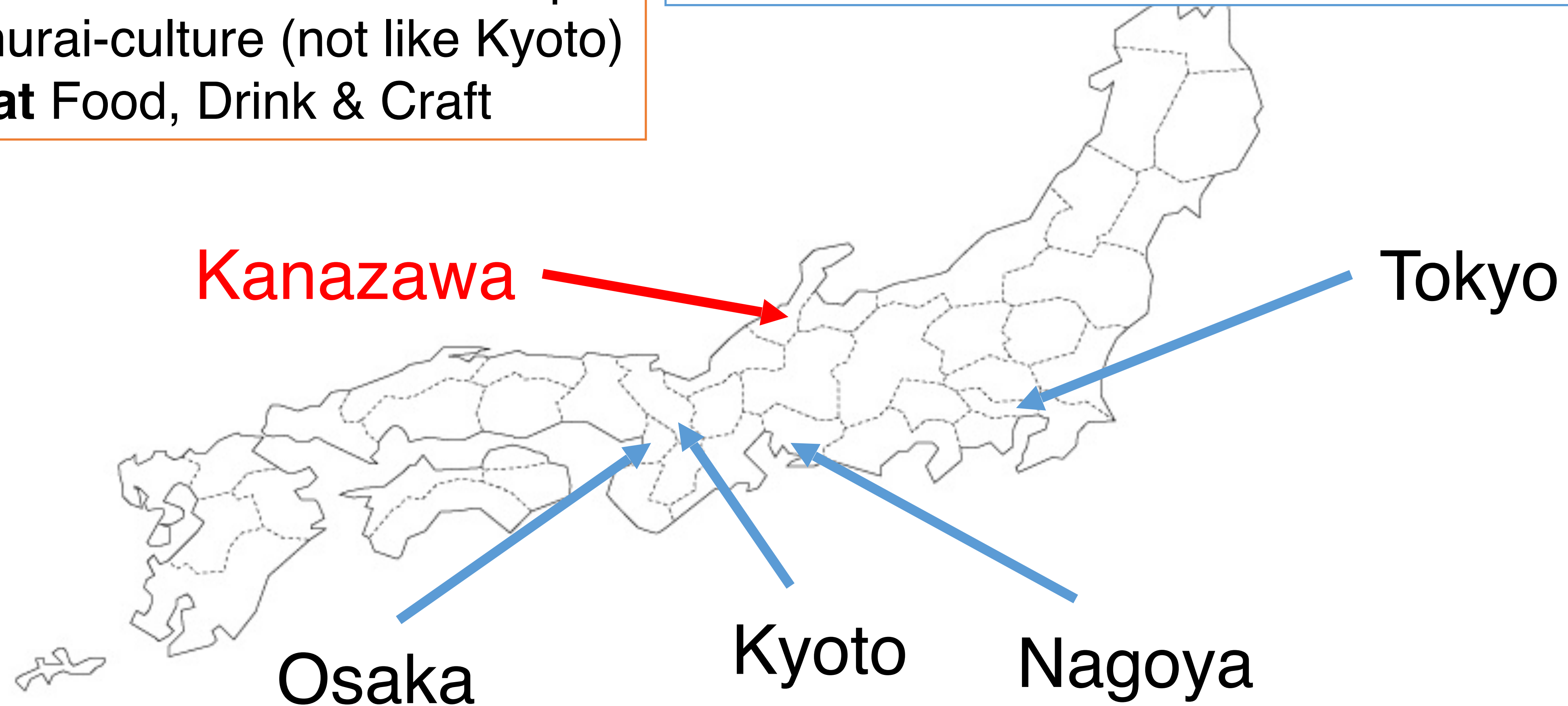
Where Kanazawa

Short bio...

- One of the oldest cities in Japan
- Samurai-culture (not like Kyoto)
- **Great Food, Drink & Craft**

Easy to access

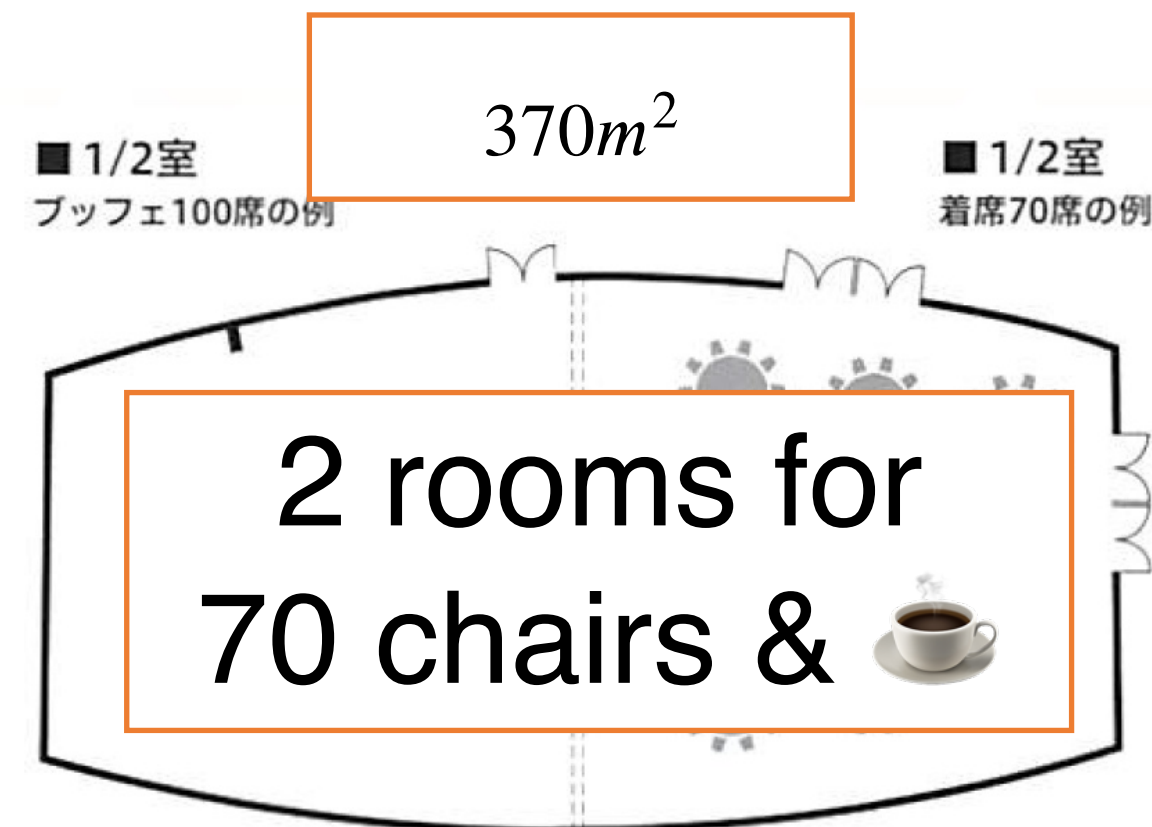
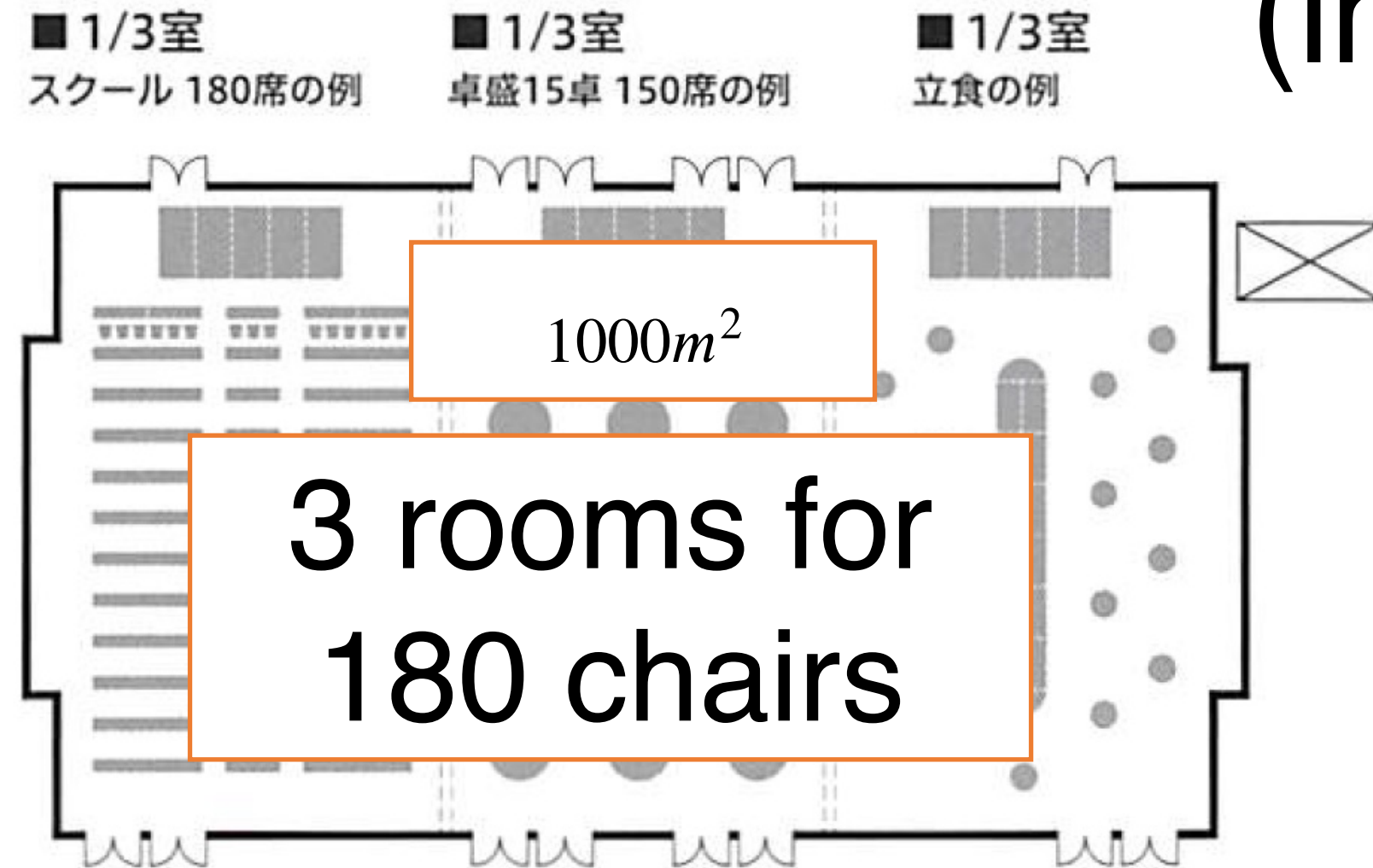
- 1 hour flight from Tokyo
- 2.5 hour bullet train from Tokyo
- 2 hour train from Osaka/Kyoto/Nagoya
- Direct flight from Taiwan! (since April, 2023)



CGWeek 2025 in Kanazawa

Date: Mid June, 2025

Tentative Place: ANA Crowne Plaza
(in front of station)




Two big rooms which can be used for 4 sessions and 1 coffee room on a floor

Accommodation

There are a number of hotels within walking distance to the station, and prices are quite reasonable:

Major price ... USD50?

Top Picks for Solo Travelers



Hotel Kanazawa ★★★
Genius

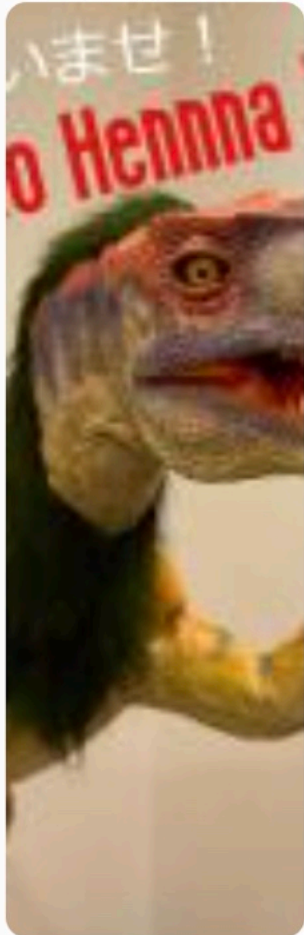
8.3 Very Good
1319 reviews

Twin Room - Non-Smoking
2 beds

1 night, 1 adult
~~US\$57~~ **US\$49**

Additional charges may apply

Only 2 rooms left at this price on our site



Henn na Hotel Kanazawa
Korimbo ★★★+ Genius

8.2 Very Good
1654 reviews

Getaway Deal

Standard Double Room
1 bed

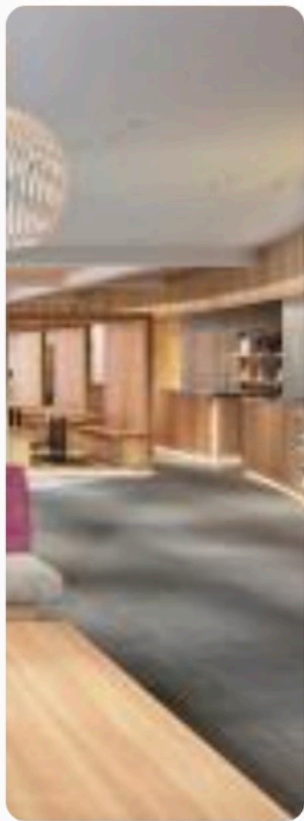
1 night, 1 adult
~~US\$57~~ **US\$37**

Includes taxes and fees

Earn US\$3 Credits

Free cancellation

Only 1 room left at this price on our site



the square hotel
KANAZAWA ★★★★★+ Genius

8.6 Excellent
4355 reviews

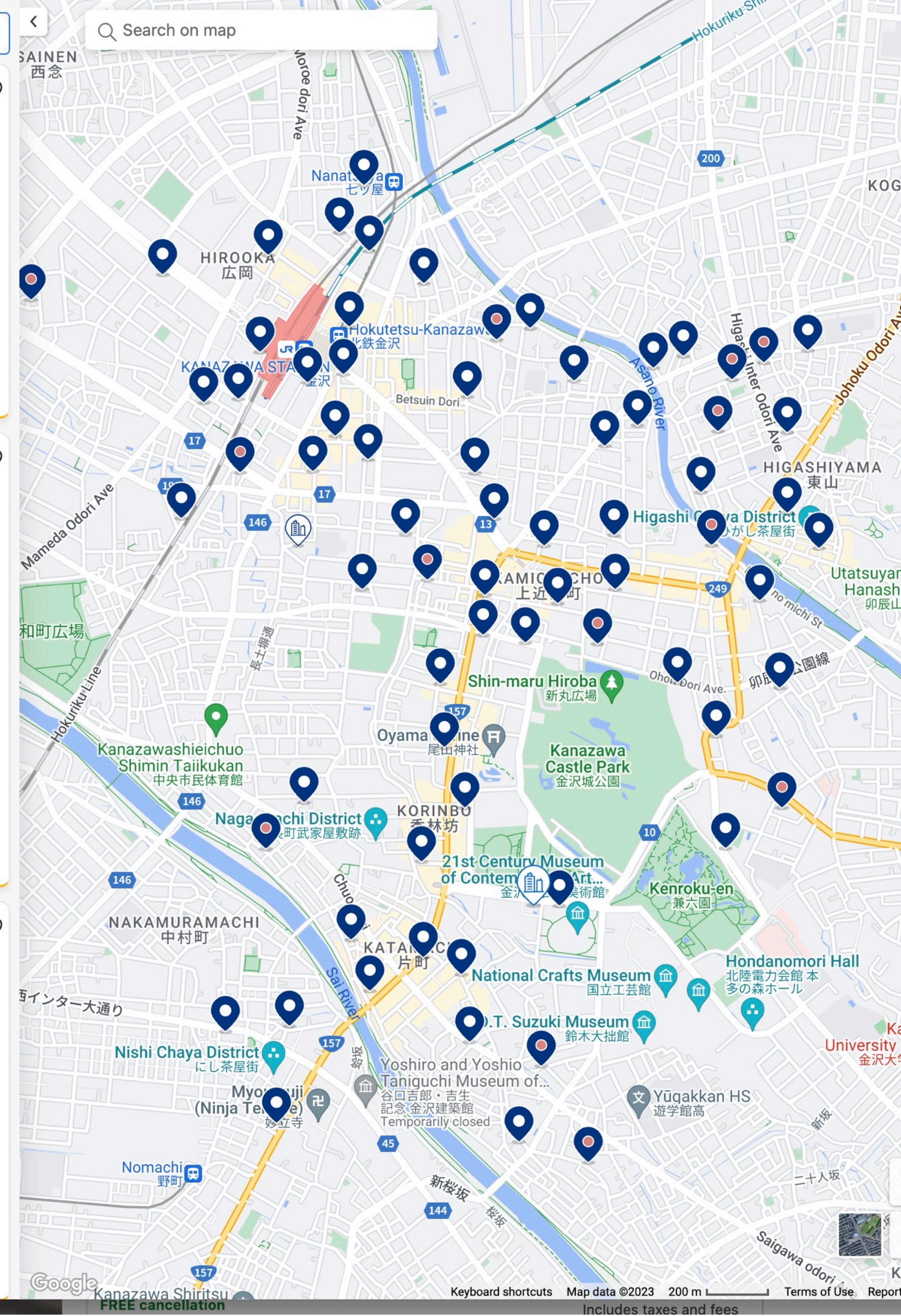
Superior Double Room - Non...
1 bed

1 night, 1 adult
~~US\$63~~ **US\$53**

Includes taxes and fees

Earn US\$4 Credits

Free cancellation



CGWeek 2025 in Kanazawa

Registration fee should be reasonable by the following
Financial Supports:

- by **Ishikawa Prefecture & Kanazawa city**

It was originally partially designed by **Tetsuo Asano** when he was the president of JAIST.

- by **AFSA** project (<http://afsa.jp>)

This is a big project of Japanese government for creation and organization of Innovative **Algorithmic Foundations** for **Social Advancement**. **Ryuhei** is a steering committee member.

- by JAIST (though **Tetsuo** is not the president now...)

Ryuhei is the director of TCS group in JAIST.

Attractions of Kanazawa (1)



Old town made by Samurai Culture

Attractions of Kanazawa (2)



Nice food, drink, and others
Especially, Sushi and Sake!



Attractions of Kanazawa (3)

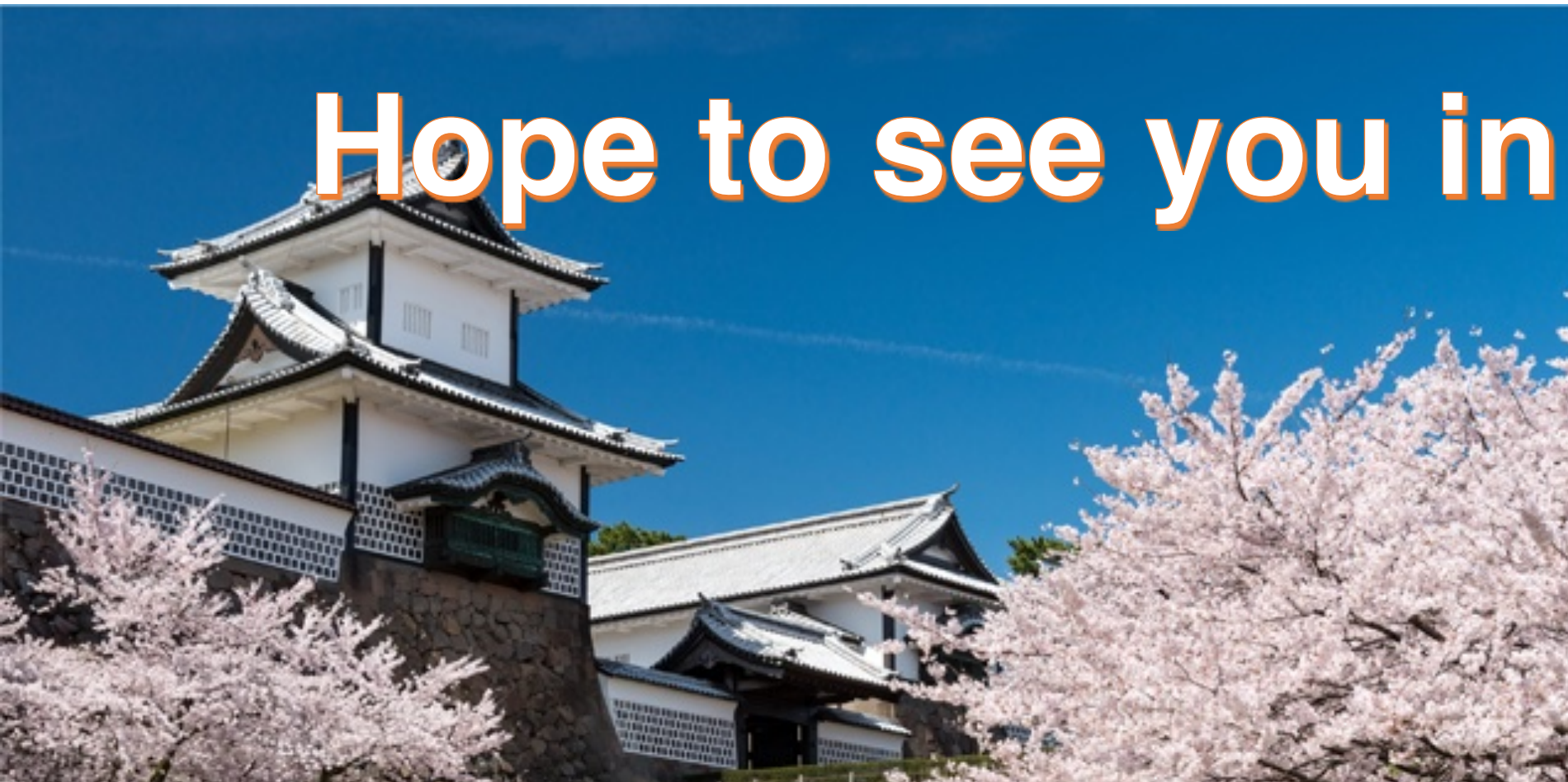


New attractions, arts and crafts

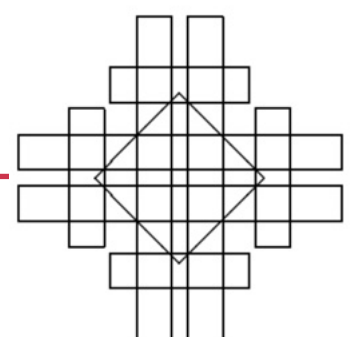


CGWeek 2025 in Kanazawa (“Gold Valley”)

Hope to see you in Kanazawa!!



(3) Malmö, Sweden





Welcome to

CG Week 2025

Malmö, Sweden

Tentatively, June 9–13, 2025

Where?



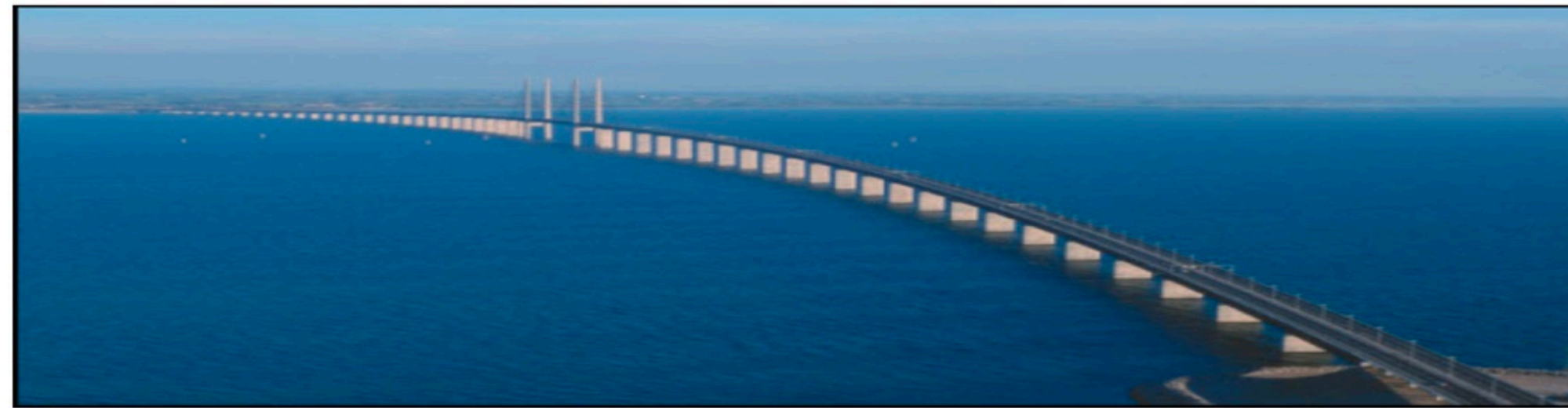
Where again?



Malmö is situated on the eastern side of the {Ö|Ø|O}resund strait which separates Denmark and Sweden.

Currency: Swedish crowns (kronor), not the Euro!

How to get there



Train or plane to Copenhagen and then train over the bridge.
20 minutes from Copenhagen Airport to Malmö Central Station.



Malmö is a small city

Inhabitants: city 300 000, metrop. 700 000, Öresund region 4M.



With a very small center, easily walkable in 20–30 minutes.

40 minutes from central Copenhagen by train. (Remember passport)

What to do!

Etymology: Malmö (malm hög) means “sand pile” or “heap of rubbish”



Malmö has a history from the middle ages (earliest 1170) but oldest remaining buildings are from 16'th century.

(View of old castle and the small square.)





146

Restursgruppen

Grappa

ECONOMI & REVISION

Revisorygruppen
ECONOMI & REVISION

Further Information

Venue: At Malmö University in the center of town, 200m from Central Train Station, 400m from main square.

Weather: 15–25 C (55–80 F) daytime. Always windy, rain possible!

Cost: Conference fee 4000 SEK (\approx €350, \approx \$370).
Accommodation should cost around 1200 SEK/night (\approx €150).

Organizing Committee:

- Anna Brötzner, Malmö University
- Bengt J. Nilsson, Malmö University
- Valentin Polishchuk, Linköping University
- Christiane Schmidt, Linköping University

Contact: bengt.nilsson.TS@mau.se

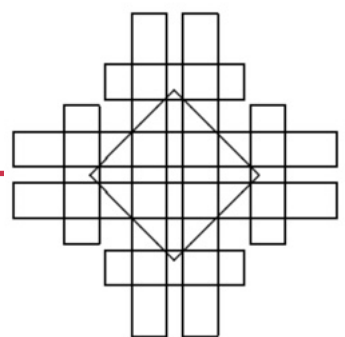
Voting

First Round:

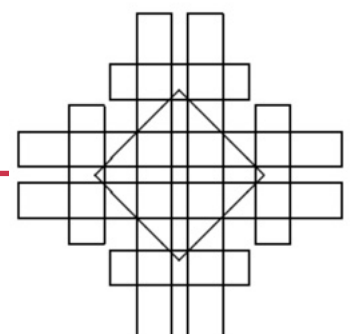
- Grenoble: $26+2 = 28$
- Kanazawa: $40+0 = 40$
- ~~Malmö: $11+3 = 14$~~

Second Round:

- ~~Grenoble: $33+3 = 36$~~
- Kanazawa: $43+1 = 44$



CORE Ranking



Title	Acronym	Source	Rank
ACM SIGOPS Symposium on Operating Systems Principles	SOSP	CORE2021	A*
IEEE Symposium on Security and Privacy	SP	CORE2021	A*
ACM Symposium on Theory of Computing	STOC	CORE2021	A*
ACM Symposium on User Interface Software and Technology	UIST	CORE2021	A*
Usenix Security Symposium	USENIX-Security	CORE2021	A*
International Conference on Very Large Databases	VLDB	CORE2021	A*
IEEE Conference on Virtual Reality and 3D User Interfaces	VR	CORE2021	A*
ACM International Conference on Web Search and Data Mining	WSDM	CORE2021	A*
International World Wide Web Conference	WWW	CORE2021	A*
North American Association for Computational Linguistics	NAACL	CORE2021	A
Principles and Practice of Parallel Programming	PPoPP	CORE2021	A
The International Symposium on Research in Attacks, Intrusions and Defenses (was International Symposium on Recent Advances in Intrusion Detection)	RAID	CORE2021	A
IEEE International Requirements Engineering Conference	RE	CORE2021	A
International Conference on Theory and Applications of Satisfiability Testing	SAT	CORE2021	A
International Conference for High Performance Computing, Networking, Storage and Analysis (was Supercomputing Conference)	SC	CORE2021	A
ACM Special Interest Group on Computer Science Education Conference	SIGCSE	CORE2021	A
International Symposium on Computational Geometry	SoCG	CORE2021	A
Symposium on Parallelism in Algorithms and Architectures	SPAA	CORE2021	A
Usenix Annual Technical Conference	USENIX	CORE2021	A
Empirical Methods in Natural Language Processing	EMNLP	CORE2021	A
European Symposium on Algorithms	ESA	CORE2021	A

Von: Yannic Maus <yannic.maus@ist.tugraz.at>

Betreff: SoCG Core Ranking

Datum: 6. Dezember 2022 um 06:37:09 GMT-6

An: Fekete, Sándor <s.fekete@tu-braunschweig.de>, "driemel@cs.uni-bonn.de" <driemel@cs.uni-bonn.de>

Umgeleitet von: <s.fekete@tu-braunschweig.de>

Dear Anne, dear Sándor ,

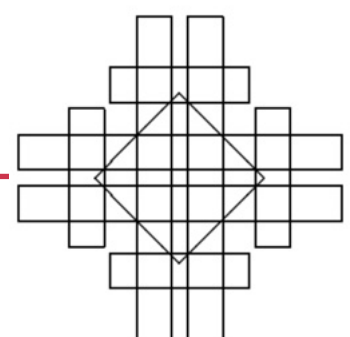
I recently joined TU Graz (Austria) and I mostly work in the theory of computation with a focus on distributed (graph) algorithms.

(...)

For that reason, we'd like to obtain some research funds from our local funding agencies. However, from my (subjective) impression the funding agencies seem to be unhappy about the fact that [SoCG is not rated A*]

(...)

From my (outsiders) perspective SoCG clearly is the flagship conference of the area and should obtain an A* ranking. Other than for other conferences the CORE ranking website does not reveal any information on why SoCG "only" has an A ranking. Can you please share some insights? May it make sense to apply for an upgrade to the A* ranking or has this been tried before?



CORE Conference Rankings Submissions

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Increase/Maintain Rank Request

A) Introductory Questions

A) Introductory Questions	B) Papers
C) Conference Details	D) People
E) Additional Data	F) Other Information

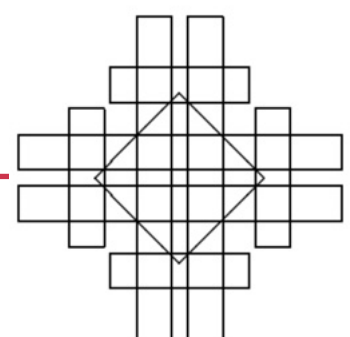
3. Requested Rank

Rank:

CORE-submission-5-5.pdf
Seite 1 von 25

Shoutout to:

- Anurag Murty Naredla
- Linda Kleist



CORE Conference Ranking Submissions

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Increase/Maintain Rank Request

A) Introductory Questions

A) Introductory Questions	
C) Conference Details	
E) Additional Data	F) Other

SoCG is considered the premier conference in the area of computational geometry. Computational geometry is a vibrant and mature field of research, with several dedicated international conferences and journals and strong intellectual connections with other computing and mathematics disciplines.

SoCG was founded as an ACM conference and only recently went independent. This is was a decision by the community that was driven several different factors, including the strong desire to have open-access proceedings. SoCG has been an invited conference at FCRC on multiple occasions and was co-located with STOC in 2016.

There are several international journals dedicated to computational geometry: Discrete & Computational Geometry (Springer), Computational Geometry -Theory and Applications (Elsevier), International Journal of Computational Geometry & Applications (World Scientific). In addition, there are several newly founded peer-reviewed scientific journals that provide diamond open access: Journal of Computational Geometry (JoCG), Computing in Geometry and Topology (CGT).

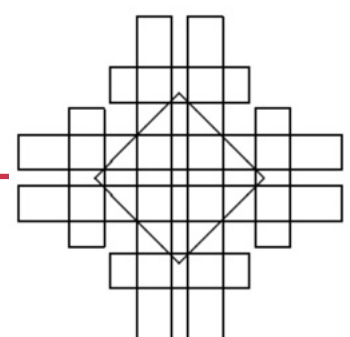
SoCG papers are regularly featured in journals of the broader area of algorithms: Journal of the ACM (J.ACM), SIAM Journal of Computing (SICOMP), Algorithmica, Theoretical Computer Science (TCS). Best papers in SoCG are automatically invited to J.ACM. The editorial boards of these journals often include several members of the CG community. The SICOMP editorial board currently includes Yusu Wang and Mark de Berg. The editorial board of the JACM includes Pankaj Agarwal.

There are many highly-cited books on computational geometry and related areas such as combinatorial and discrete geometry, and computational topology — all of which are areas for which SoCG is the main outlet of current research.

Some books on Computational Geometry and their citations according to google scholar:

- Computational Geometry (Preparata, Shamos): 12,543 citations.
- Computational Geometry (de Berg, van Kreveld, Overmars, Cheong): 12,240 citations.
- Computational Geometry in C (O'Rourke): 4,156 citations.
- Algorithms in combinatorial geometry (Edelsbrunner): 3500 citations.
- Computational Geometry for Design and Manufacture (Faux, Pratt): 2,231 citations.
- Handbook of discrete and computational geometry (Toth, O'Rourke, Goodman): 2705 citations.
- Art gallery theorems and algorithms (O'Rourke): 2,366 citations.
- LEDA: A platform for combinatorial and geometric computing (Mehlhorn, Näher), 1,976 citations.
- Lectures on discrete geometry (Matousek): 1885 citations
- Research problems in discrete geometry (Brass, Moser, Pach): 1136 citations
- Davenport-Schinzel sequences and their geometric applications (Sharir, Agarwal): 1,107 citations.
- Combinatorial geometry (Pach, Agarwal) 1042 citations.
- Geometric folding algorithms: linkages, origami, polyhedra (Demaine, O'Rourke): 967 citations.
- Computational geometry: an introduction through randomized algorithms (Mulmuley): 846 citations.
- The Discrepancy Method: Randomness and Complexity (Chazelle) 689 citations.
- Handbook of computational geometry (Sack, Urrutia): 548 citations.
- Voronoi diagrams and Delaunav triangulations (Aurenhammer. Klein. Lee): 496 citations.

5-5.pdf



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CORE Conference Submissions

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Increase/Maintain

A) Introductory Questions

- A) Introductory Questions
- C) Conference Details
- E) Additional Data

Jeff Erickson wrote:

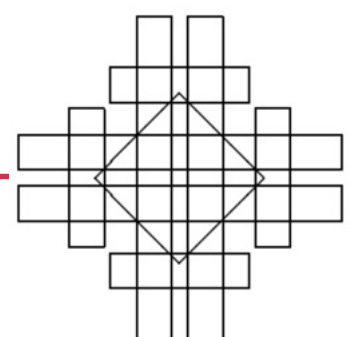
March 7, 2018, 1:49 a.m.

As of 2015, this conference is called the International Symposium on Computational Geometry, and it is no longer sponsored by ACM.

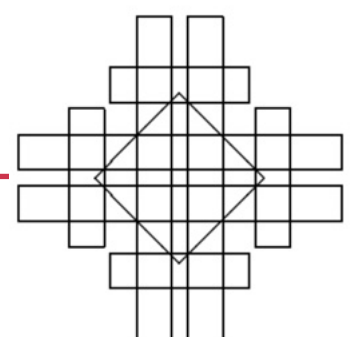
Rating: ★★★★★

This conference is welcoming to new attendees such as postgraduate students:	★★★★★
Referees for this conference provide high quality detailed feedback:	★★★★★
The conference program facilitates networking:	★★★★★
There is a culture of interaction and feedback following presentations:	★★★★★
The conference is routinely attended by top people in the area:	★★★★★
Overall, attending this conference is worthwhile:	★★★★★

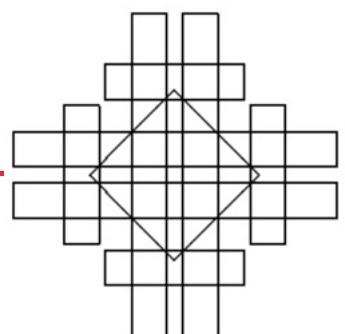
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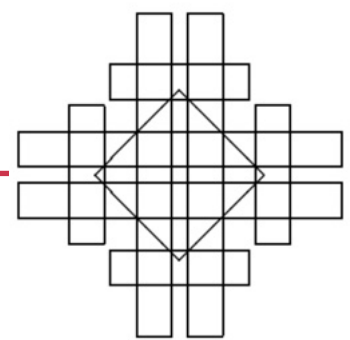
„Old“ Society



- Incorporated as nonprofit in January 2019 (Missouri)
- Current directors:
Erin Chambers, Joe Mitchell, Dave Mount, Yusu Wang
- Current bank balance: \$32,793.24
 - Deposits:
 - \$6200 (CG Week 2021)
 - \$7062.23 (CG Week 2020)
 - \$2,987.87 (CG Week 2019), \$7500 (Mentor Graphics)
 - \$4,246.24 (CG Week 2017)
 - \$5,430.00 (CG Week 2016)
 - Payments:
 - LegalZoom, to incorporate: \$397.10
 - Missouri Registered Agent: \$40, \$40, \$40, \$40 in 2019,20,21,22,23
 - Corporate Registration Report: \$10-15 (annual, each August)



TheoretICS



TheoretCS

- New, open-access journal for all of TCS
 - Diamond/platinum OA: no fees for authors or readers
- Joint project involving broad TCS community, with Advisory Board members including representatives from 23 major TCS conferences (FOCS, STOC, SODA, ICALP, LICS, SoCG, ...)

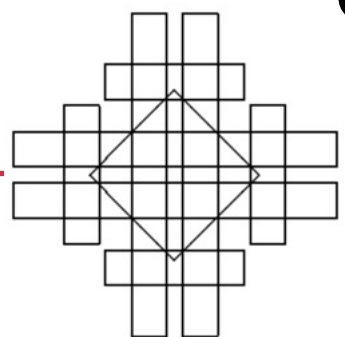
SoCG rep: Joe Mitchell

- **Editors-in-Chief: Uri Zwick (“Track A”), Javier Esparza (“Track B”)**
Editorial board: M. Abadi, A. Ambainis, A. Atserias, H. Aziz, D. Basin, P. Bouyer, N. Cesa-Bianchi, A. Dawar, L. Devroye, F. Ellen, J. Fox, M. Ghaffari, G. Gottlob, A. Gupta, V. Guruswami, J. Håstad, K. Kawarabayashi, V. King, N. Kobayashi, E. Koutsoupias, X. Leroy, K. Ligett, R. Majumdar, J. Mitchell, M. Mohri, D. Mount, A. Muscholl, D. Nanongkai, M. Naor, C. Palamidessi, M. Pilipczuk, J. Raskin, P. Sanders, D. Sangiorgi, N. Saxena, A. Sinclair, O. Svensson, G. Valiant, S. Weirich, V. V. Williams, J. Worrell, M. Yannakakis
- Target level: Very high quality (SICOMP-JACM)
- Open since December 2021
- First papers appeared in December 2022

Please submit your
great papers!

Many Thanks!

- CG Week organizers and support staff
- SoCG PC and reviewers
- Media committee
- YRF committee
- Workshop organizers
- Challenge committee
- Test of Time Award committee
- Proceedings chair
- all authors and speakers
- all participants



On Behalf of the Steering Committee:

- Anne Driemel (co-chair)
- Sándor Fekete (co-chair)
- Matya Katz
- Marc van Kreveld
- Joe Mitchell
- Yusu Wang

