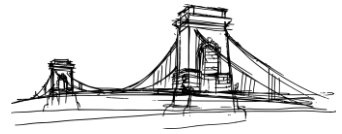


Preface



DISC, the International Symposium on Distributed Computing, is an international forum on the theory, design, analysis, implementation and application of distributed systems and networks. DISC is organized in cooperation with the European Association for Theoretical Computer Science (EATCS).

On the following pages you can find the **final program for the DISC 2019, the 33rd International Symposium on Distributed Computing**, held on October 14–18, 2019 in Budapest, Hungary.

In response to the call for papers, this year **we received 145 regular submissions** (four of them withdrawn after submission), **and 13 brief submissions**. All submissions were evaluated by at least three reviewers; we had a program committee with 38 members, and the committee was assisted by 170 external reviewers. For the first time in the history of DISC, we used double-blind peer review: the submissions were anonymous and the PC members and external reviewers did not see the names of the authors.

The program committee decided to accept 34 regular submissions for presentation at DISC 2019. After the selection of the regular papers, the authors of 19 regular papers were invited to submit brief versions of their work, and this way we received 12 additional brief submissions. From among the 25 brief submissions the program committee decided to accept 15 brief announcements for presentation.

The committee selected the following two papers as the co-recipients of the DISC 2019 Best Paper Award:

- **Orr Fischer and Rotem Oshman:**
A Distributed Algorithm for Directed Minimum-Weight Spanning Tree
- **Rachid Guerraoui, Petr Kuznetsov, Matteo Monti, Matej Pavlovic and Dragos-Adrian Seredinschi**
Scalable Byzantine Reliable Broadcast.

DISC 2019 Best Review Award is presented to D. Ellis Hershkowitz.

This year we have eight workshops held in conjunction with DISC 2019.

The following workshops are organized on October 14, 2019:

- **ADGA:** Workshop on Advances in Distributed Graph Algorithms (chair: Mohsen Ghaffari)
- **ApPLIED2019:** Advanced tools, programming languages, and PLatforms for Implementing and Evaluating algorithms for Distributed systems (chairs: Chryssis Georgiou, Yanhong Annie Liu, Miguel Matos and Elad Michael Schiller)
- **BTT:** Workshop on Blockchain Technology and Theory (chairs: Ittai Abraham, Christian Cachin, Ittay Eyal, Maurice Herlihy and Maria Potop-Butucaru)
- **CELLS:** Computing among Cells (chairs: Matthias Fuegger, Adrian Kosowski, Manish Kushwaha and Thomas Nowak)

The following workshops are organized on October 18, 2019:

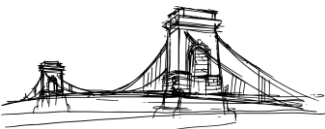
- **DiADN:** Distributed Algorithms for Dynamic Networks (chairs: Tomasz Jurdzinski and Miguel Mosteiro)
- **DCC:** Workshop on Distributed Cloud Computing (chairs: Chen Avin and Gabriel Scalosub)
- **FRIDA:** Formal Reasoning in Distributed Algorithms (chairs: Swen Jacobs, Igor Konnov, Stephan Merz and Josef Widder)
- **HDT:** Workshop on Hardware Design and Theory (chairs: Moti Medina and Andrey Mokhov)

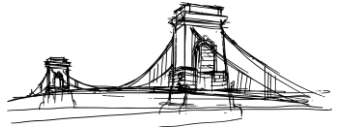
I would like to thank all conference participants and everyone who contributed to DISC 2019: the authors of the submitted papers, PC members and external reviewers, keynote speakers, members of the organizing committee, workshop organizers, and members of the award committees. I would also like to thank the members of the steering committee, former chairs, our colleagues in the PODC organization and many other members of the community for their valuable assistance and suggestions, EATCS for their financial support, EasyChair administrators for help with the conference management system, and the staff at Schloss Dagstuhl – Leibniz-Zentrum für Informatik for all the hard work they did with preparing the proceedings volume.

October, 2019

Jukka Suomela

DISC 2019 Program Chair





Final Program

ADGA

Workshop:

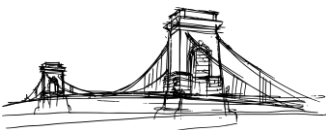
October 14 (Monday)

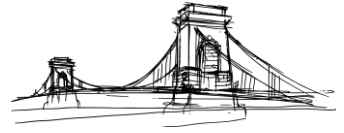
Workshop on Advances in Distributed Graph Algorithms

Chair: Mohsen Ghaffari

Room: Jázmin I

-
- 9:00 *Thomas Sauerwald*: Random Walks on Dynamic Graphs
- 10:00 Coffee break
- 10:30 *Sebastian Brandt*: Automatic Round Elimination: A New Approach for Proving Complexity Bounds in the LOCAL Model
- 11:30 *Endre Csóka*: Random Local Algorithms from the Graph Limits Perspective
- 12:30 Lunch
- 14:00 *Silvio Lattanzi*: Large Scale Algorithms, Clustering, and the MPC Model
- 15:00 *Thatchaphol Saranurak*: Expander Decomposition: Applications to Dynamic and Distributed Algorithms
- 16:00 Coffee break
- 16:30 *Rotem Oshman*: Distributed Property Testing — Progress and Challenges
- 17:30 Workshop ends





ApPLIED2019

Workshop:

October 14 (Monday)

Advanced tools, programming languages, and Platforms for Implementing and Evaluating algorithms for Distributed systems

Chairs: Chryssis Georgiou, Yanhong Annie Liu, Miguel Matos and Elad Michael Schiller

Room: Kamilla 1

- 9:00 **Opening and introduction of everyone**
- 9:15 *Idit Keidar: Transactional Data Structure Libraries*
- 10:00 **Coffee break**
- 10:30 *Zoltán Turanyi: Approaches to Data Sharing in Edge FaaS*
- 11:15 *Nitin Vaidya: To build, or Not to Build, That Is the Question*
- 11:45 **Invited panel Challenges and Current State: Idit Keidar, Zoltán Turanyi, and Nitin Vaidya**
Chair: Miguel Matos
- 12:30 **Lunch**
- 14:00 *Ethan Buchman: Building and Testing Byzantine Fault Tolerant State Machines*
- 14:45 *Seif Haridi: Arcon for Continuous Deep Analytics*
- 15:30 *Jing Chen: Algorand: From Theory to Practice*
- 16:00 **Coffee break**
- 16:30 *Gadi Taubenfeld: Weak Models for Distributed Computing*
- 17:10 *Axel Niklasson: plcli - a Tool for Running Distributed Applications on PlanetLab*
- 17:20 **Invited panel and open discussion Summary and Directions:**
Ethan Buchman, Seif Haridi, Jing Chen, Gadi Taubenfeld
Chair: Yanhong Annie Liu
- 17:50 Closing remarks

BTT

Workshop:

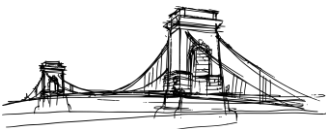
October 14 (Monday)

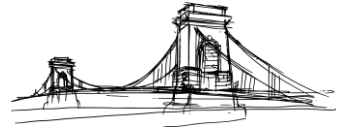
Workshop on Blockchain Technology and Theory

Chairs: Ittai Abraham, Christian Cachin, Ittay Eyal, Maurice Herlihy and Maria Potop-Butucaru

Room: Jázmin II

- 9:00 **Welcome**
Maria Potop-Butucaru, Christian Cachin
- Jing Chen: Algorand: A Secure, Scalable and Decentralized Blockchain*
- 9:40 *Zarko Milosevic: Crime and Punishment in Tendermint*
- 10:20 **Coffee break**
- 10:50 *Christian Matt: Toward a Partially Synchronous Nakamoto-Style Blockchain*
- 11:30 *Alysson Bessani: Adapting to Evolving Threats against BFT Systems with Weighted and Diverse Replication*
- 12:15 **Lunch**
- 14:00 *Krzysztof Pietrzak: Bitcoin-like Blockchains from Efficient Proof Systems*
- 14:40 *Peter Gaži: Layer-1 Scalability of Eventual-Consensus Blockchain Protocols*
- 15:20 *Petr Kuznetsov: The Consensus Number of a Cryptocurrency*
- 16:00 **Coffee break**
- 16:30 **Discussion and Brainstorming**





CELLS

Workshop:

October 14 (Monday)

Computing among Cells

Chairs: Matthias Fuegger, Adrian Kosowski, Manish Kushwaha and Thomas Nowak

Room: Kamilla 3

- 09:00 *Janna Burman:* **Tutorial on Population Protocol**
- 10:00 **Coffee break**
- 10:30 *Alexander Fedorec:* **Constructing Synthetic Microbial Communities**
- 11:30 *Thomas Gorochowski:* **Towards a Complete and Quantitative View of Genetic Circuit Function**
- 12:30 **Lunch**
- 14:00 *Alfonso Jaramillo:* **TBA**
- 15:00 *Manish Kushwaha:* **Tutorial on Computing in Synthetic Biology**
- 16:00 **Coffee break**
- 16:30 *Ana Zuniga-Sepulveda:* **Rational Programming of History-Dependent Logic in Cellular Populations**
- 17:30 **Discussion: Perspectives and Open Problems**

October 14 (Monday)

17:45 – 20:00

Welcome reception

Room: Magnolia

October 15 (Tuesday)

Room: Star Auditorium

09:00 – 10:00

Keynote talk

Distributed and Concurrent Optimization for Machine Learning

Dan Alistarh

10:00 – 10:30

Coffee break

10:30 – 11:16

Session

10:30 – 10:50

Monotonically Relaxing Concurrent Data-Structure Semantics for Increasing Performance: An Efficient 2D Design Framework

Adones Rukundo, Aras Atalar and Philippos Tsigas

10:50 – 11:10

Polynomial-Time Fence Insertion For Structured Programs

Seyed Mohammad Taheri Otaghsara, Arash Pourdamghani and Mohsen Lesani

11:10 – 11:16

Brief Announcement: Towards Byzantine Broadcast in Generalized Communication and Adversarial Models

Chen-Da Liu-Zhang, Varun Maram and Ueli Maurer

11:16 – 11:30

Technical break

11:30 – 12:30

Session

11:30 – 11:50

Distributed Algorithms for Low Stretch Spanning Trees

Ruben Becker, Yuval Emek, Mohsen Ghaffari and Christoph Lenzen

11:50 – 12:10

Low-Congestion Shortcut and Graph Parameters

Naoki Kitamura, Hirotaka Kitagawa, Yota Otachi and Taisuke Izumi

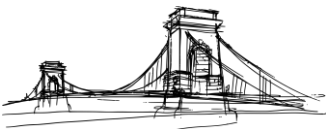
12:10 – 12:30

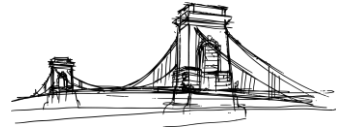
Reachability and Shortest Paths in the Broadcast CONGEST Model

Shiri Chechik and Doron Mukhtar

12:30 – 14:00

Lunch





14:00 – 14:46	Session
14:00 – 14:20	Fast Distributed Algorithms for LP-Type Problems of Low Dimension <i>Kristian Hinnenthal, Christian Scheideler and Martijn Struijs</i>
14:20 – 14:40	Distributed Data Summarization in Well-Connected Networks <i>Hoa Vu and Hsin-Hao Su</i>
14:40 – 14:46	Brief Announcement: On Self-Adjusting Skip List Networks <i>Chen Avin, Iosif Salem and Stefan Schmid</i>
14:46 – 15:00	Technical break
15:00 – 16:00	Session
15:00 – 15:20	On the Round Complexity of Randomized Byzantine Agreement <i>Ran Cohen, Iftach Haitner, Nikolaos Makriyannis, Matan Orland and Alex Samorodnitsky</i>
15:20 – 15:40	Stellar Consensus by Instantiation <i>Eli Gafni, Giuliano Losa and David Mazières</i>
15:40 – 15:46	Brief Announcement: Asymmetric Distributed Trust <i>Christian Cachin and Björn Tackmann</i>
15:46 – 15:53	Brief Announcement: Implementing Byzantine Tolerant Distributed Ledger Objects <i>Vicent Cholvi, Antonio Fernandez Anta, Chryssis Georgiou and Nicolas Nicolaou</i>
15:53 – 16:00	Brief Announcement: Revisiting Consensus Protocols through Wait-Free Parallelization <i>Suyash Gupta, Jelle Hellings and Mohammad Sadoghi</i>
16:00 – 16:30	Coffee break
16:30 – 17:10	Highlight Session
16:30 – 16:50	A Distributed Algorithm for Directed Minimum-Weight Spanning Tree <i>Orr Fischer and Rotem Oshman (Best Paper)</i>
16:50 – 17:10	Putting Strong Linearizability in Context: Preserving Hyperproperties in Programs that Use Concurrent Objects <i>Hagit Attiya and Constantin Enea</i>
17:10 – 18:40	Business meeting

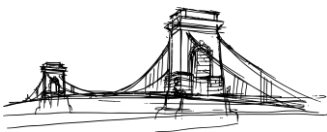


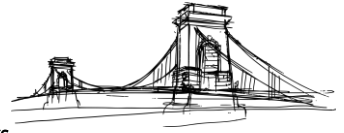
October 16 (Wednesday)

Room: Star Auditorium

DISC 2019, Budapest, Hungary | 10

09:00 – 10:00	Keynote talk Network Science – A Bridge Between Social and “Hard” Sciences <i>János Kertész</i>
10:00 – 10:30	Coffee break
10:30 – 11:16	Session
10:30 – 10:50	Phase Transitions of Best-of-Two and Best-of-Three on Stochastic Block Models <i>Nobutaka Shimizu and Takeharu Shiraga</i>
10:50 – 11:10	On Bioelectric Algorithms <i>Seth Gilbert and Calvin Newport</i>
11:10 – 11:16	Brief Announcement: Integrating Temporal Information to Spatial Information in a Neural Circuit <i>Mien Brabeeba Wang and Nancy Lynch</i>
11:16 – 11:30	Technical break
11:30 – 12:30	Session
11:30 – 11:50	Improved Network Decompositions using Small Messages with Applications on MIS, Neighborhood Covers, and Beyond <i>Mohsen Ghaffari and Julian Portmann</i>
11:50 – 12:10	Message Reduction in the LOCAL Model is a Free Lunch <i>Shimon Bitton, Yuval Emek, Taisuke Izumi and Shay Kutten</i>
12:10 – 12:30	Parameterized Distributed Algorithms <i>Ran Ben Basat, Ken-Ichi Kawarabayashi and Gregory Schwartzman</i>
12:30 – 14:00	Lunch
14:00 – 14:46	Session
14:00 – 14:20	Consensus with Max Registers <i>James Aspnes and He Yang Er</i>





14:20 – 14:40	Wait-free Solvability of Equality Negation Tasks <i>Éric Goubault, Marijana Lazić, Jérémy Ledent and Sergio Rajsbaum</i>
14:40 – 14:46	Brief Announcement: Wait-free Universality of Consensus in the Infinite Arrival Model <i>Grégoire Bonin, Achour Mostéfaoui and Matthieu Perrin</i>
14:46 – 15:00	Technical break
15:00 – 16:00	Session
15:00 – 15:20	Trade-Offs in Distributed Interactive Proofs <i>Pierluigi Crescenzi, Pierre Fraigniaud and Ami Paz</i>
15:20 – 15:40	The Complexity of Symmetry Breaking in Massive Graphs <i>Christian Konrad, Sriram Pemmaraju, Talal Riaz and Peter Robinson</i>
15:40 – 15:46	Brief Announcement: Massively Parallel Approximate Distance Sketches <i>Yasamin Nazari and Michael Dinitz (remote presentation)</i>
15:46 – 15:53	Brief Announcement: Streaming and Massively Parallel Algorithms for Edge Coloring <i>Soheil Behnezhad, Mahsa Derakhshan, Mohammadtaghi Hajiaghayi, Marina Knittel and Hamed Saleh (remote presentation)</i>
15:53 – 16:00	Brief Announcement: Faster Asynchronous MST and Low Diameter Tree Construction with Sublinear Communication <i>Ali Mashreghi and Valerie King</i>
16:00 – 16:30	Coffee break
16:30 – 17:30	Highlight Session
16:30 – 16:50	Scalable Byzantine Reliable Broadcast <i>Rachid Guerraoui, Petr Kuznetsov, Matteo Monti, Matej Pavlovic and Dragos-Adrian Seredinschi (Best Paper)</i>
16:50 – 17:10	Small Cuts and Connectivity Certificates: A Fault Tolerant Approach <i>Merav Parter (remote presentation)</i>
17:10 – 17:30	Sublinear-Time Distributed Algorithms for Detecting Small Cliques and Even Cycles <i>Talya Eden, Nimrod Fiat, Orr Fischer, Fabian Kuhn and Rotem Oshman</i>
18:15 – 21:15	Banquet <i>gathering at 18:00</i>

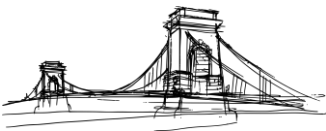


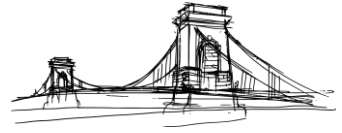
October 17 (Thursday)

Room: Star Auditorium

DISC 2019, Budapest, Hungary | 12

09:00 – 10:00	Keynote talk When is an Algorithm Robust? <i>Seth Gilbert</i>
10:00 – 10:30	Coffee break
10:30 – 11:16	Session
10:30 – 10:50	Byzantine Approximate Agreement on Graphs <i>Thomas Nowak and Joel Rybicki</i>
10:50 – 11:10	Privatization-Safe Transactional Memories <i>Artem Khyzha, Hagit Attiya and Alexey Gotsman</i>
11:10 – 11:16	Brief Announcement: On the Correctness of Transaction Processing with External Dependency <i>Masoomeh Javidi Kishi, Ahmed Hassan and Roberto Palmieri</i>
11:16 – 11:30	Technical break
11:30 – 12:30	Session
11:30 – 11:50	Erasure Correction for Noisy Radio Networks <i>Keren Censor-Hillel, Bernhard Haeupler, D. Ellis Hershkowitz and Goran Zuzic</i>
11:50 – 12:10	On the Computational Power of Radio Channels <i>Mark Braverman, Gillat Kol, Rotem Oshman and Avishay Tal</i>
12:10 – 12:30	The Capacity of Smartphone Peer-to-Peer Networks <i>Michael Dinitz, Magnús M. Halldórsson, Calvin Newport and Alex Weaver</i>
12:30 – 14:00	Lunch
14:00 – 14:46	Session
14:00 – 14:20	Parallel Finger Search Structures <i>Wei Quan Lim and Seth Gilbert</i>





14:20 – 14:40	A Scalable, Portable and Memory-Efficient Lock-Free FIFO Queue <i>Ruslan Nikolaev</i>
14:40 – 14:46	Brief Announcement: The Fault-Tolerant Cluster-Sending Problem <i>Jelle Hellings and Mohammad Sadoghi</i>
14:46 – 15:00	Technical break
15:00 – 16:00	Session
15:00 – 15:20	Stable Memoryless Queuing under Contention <i>Pawel Garncarek, Tomasz Jurdzinski and Dariusz Kowalski</i>
15:20 – 15:40	Space-Optimal Naming in Population Protocols <i>Janna Burman, Joffroy Beauquier and Devan Sohler</i>
15:40 – 15:46	Brief Announcement: Neighborhood Mutual Remainder and its Self-Stabilizing Implementation of Look-Compute-Move Robots <i>Shlomi Dolev, Sayaka Kamei, Yoshiaki Katayama, Fukuhiro Ooshita and Koichi Wada</i>
15:46 – 15:53	Brief Announcement: Model Checking Rendezvous Algorithms for Robots with Lights in Euclidean Space <i>Xavier Défago, Adam Heriban, Sébastien Tixeuil and Koichi Wada</i>
15:53 – 16:00	Brief Announcement: Memory Lower Bounds for Self-Stabilization <i>Laurent Feuilloley, Lélia Blin and Gabriel Le Bouder</i>
16:00 – 16:30	Coffee break
16:30 – 17:10	Highlight Session
16:30 – 16:50	Long-Lived Counters with Polylogarithmic Amortized Step Complexity <i>Ahad Baig, Danny Hendler, Alessia Milani and Corentin Travers</i>
16:50 – 17:10	Optimal Distributed Covering Algorithms <i>Ran Ben Basat, Guy Even, Ken-Ichi Kawarabayashi and Gregory Schwartzman</i>

DiADN

Workshop:

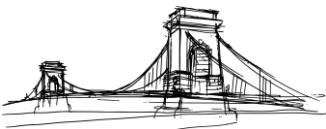
October 18 (Friday)

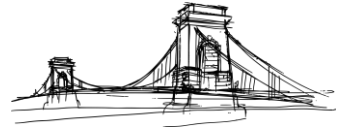
Distributed Algorithms for Dynamic Networks

Chairs: Tomasz Jurdzinski and Miguel Mosteiro

Room: Jázmin I

- 09:15 *Janna Burman: Self-Stabilizing Population Protocols*
- 10:00 **Coffee break**
- 10:30 *Arnaud Casteigts: Exploiting Temporal Properties in Dynamic Networks: An Overview*
- 11:15 *Paul G. Spirakis: The Impact of Temporal Availability Patterns on the Complexity of Temporal Problems: An Analysis of Two Cases*
- 12:00 **Lunch**
- 14:00 *Andrea Richa: Algorithmic Foundations of Programmable Matter*
- 14:45 *Gregory Schwartzman: Fast and Simple Deterministic Algorithms for Highly-Dynamic Networks*
- 15:30 *Leszek Gasieniec: Perpetual Network Monitoring*
- 16:15 **Coffee break**
- 16:45 *Sébastien Tixeuil: Mitigating faults in Mobile Robotic Swarms*





DCC

Workshop:

October 18 (Friday)

Workshop on Distributed Cloud Computing

Chairs: Chen Avin and Gabriel Scalosub

Room: Boróka 2

- 09:10 **Opening**
- 09:15 *Stefan Schmid:* **Demand-Aware and Distributed Cloud Networking: Let's Get Physical!**
- 10:00 **Coffee break**
- 10:30 *Giovanni Neglia:* **Machine Learning Training: Research Challenges and Opportunities for Distributed Computing**
- 11:15 *Robert Birke:* **Towards Autonomous Industries**
- 12:00 **Lunch**
- 14:00 *Ivona Brandić:* **Resilience at the Edge**
- 14:45 *Róbert Szabó:* **End-to-end Orchestration Automation in Distributed Cloud: Resource, Service and Multi-stakeholders Aspects**
- 15:30 *Roy Friedman:* **Practical Network Monitoring in Software Switches**
- 16:15 **Coffee break**
- 16:45 *Panel:* **The Distributed Cloud: Theory Meets Practice**

FRIDA

Workshop:

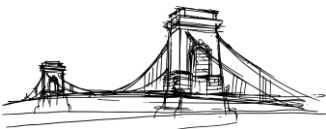
October 18 (Friday)

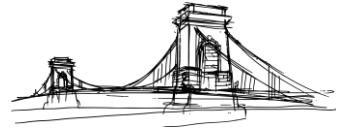
Formal Reasoning in Distributed Algorithms

Chairs: Swen Jacobs, Igor Konnov, Stephan Merz and Josef Widder

Room: Jázmin II

-
- 9:00 *Hagit Attiya: In the Eye of the Beholder - The Role of the Observer in Observational Refinement*
- 9:30 *Cezara Dragoi: TBD*
- 10:00 **Coffee break**
- 10:30 *Yanhong Annie Liu: Distributed Algorithms Made Clear: for Understanding by Humans and Reasoning by Machines*
- 11:00 *Vincent Rohli: Asphalion: Trustworthy Shielding Against Byzantine Faults*
- 11:30 *Marijana Lazic: Parameterized Verification of Randomized Consensus Algorithms under Round-Rigid Adversaries*
- 12:00 *Vincent Gramoli: Certifying Blockchain Byzantine Fault Tolerance*
- 12:30 **Lunch**
- 14:00 *Faith Ellen: Proving the Correctness of an Optimal Implementation of Fetch-and-Increment*
- 14:45 *András Vörös: Modeling, Verification and Code Generation for Distributed Reactive Controllers – An Engineer-Centric Toolchain*
- 15:15 *Nathalie Bertrand: Probabilistic Threshold Automata for Modeling and Verifying Randomized Distributed Algorithms*
- 16:00 **Coffee break**
- 16:30 *Bernhard Kragl: Inductive Sequentialization of Asynchronous Programs*
- 17:00 *Roman Kuznets: Byzantine Causal Cone*
- 17:30 *Swen Jacobs: Parameterized Reasoning for Distributed Systems with Consensus*





HDT

Workshop:

October 18 (Friday)

Workshop on Hardware Design and Theory

Chairs: Moti Medina and Andrey Mokhov

Room: Boróka 1

- 9:00 *Alex Yakovlev: Stacked Asynchronous Circuits*
- 10:00 **Coffee break**
- 10:30 *Osnat Keren: Reliable and Secure Communication in Globally Asynchronous Locally Synchronous (GALS) Systems*
- 11:30 *Yoram Moses: Asynchronous Signalling Processes*
- 12:30 **Lunch**
- 14:00 *Ulrich Schmid: Digital Modeling of Asynchronous Integrated Circuits*
- 15:00 *Ran Gelles: Optimal Short-Circuit Resilient Formulas*
- 16:00 **Coffee break**
- 16:30 *Christoph Lenzen: Embracing Uncertainty - What We Can, Cannot, and Would Like to Do when Facing Metastability*

Program Committee

Dan Alistarh

IST Austria, Austria

Leonid Barenboim

Open University of Israel, Israel

Petra Berenbrink

University of Hamburg,
Germany

Janna Burman

Université Paris-Sud (Saclay),
LRI, France

Keren Censor-Hillel

Technion, Israel

Shiri Chechik

Tel-Aviv University, Israel

Colin Cooper

King's College London, UK

Jurek Czyzowicz

UQO, Canada

Carole Delporte-Gallet

IRIF, Université Paris Diderot,
France

Shlomi Dolev

Ben-Gurion University of the
Negev, Israel

Robert Elsaesser

University of Salzburg, Austria

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Madrid, Spain

Vijay K. Garg

University of Texas at Austin,
USA

George Giakkoupis

Inria, Rennes, France

Seth Gilbert

NUS, Singapore

Wojciech Golab

University of Waterloo, Canada

Rachid Guerraoui

EPFL, Switzerland

Magnus M. Halldorsson

Reykjavik University, Iceland

Keijo Heljanko

University of Helsinki, Finland

Mark Jelasity

University of Szeged, Hungary

Tomasz Jurdzinski

University of Wroclaw, Poland

Dariusz Kowalski

U. Liverpool, UK, and USWPS,
Poland

Christoph Lenzen

MPI for Informatics, Germany

Gopal Pandurangan

University of Houston, USA

Merav Parter

Weizmann Institute, Israel

Sriram V. Pemmaraju

University of Iowa, USA

Maria Potop-Butucaru

Sorbonne University, France

Sergio Rajsbaum

UNAM, Mexico

Binoy Ravindran

Virginia Tech, USA

Andrea W. Richa

Arizona State University, USA

Peter Robinson

McMaster University, Canada

Eric Ruppert

York University, Canada

Stefan Schmid

University of Vienna, Austria

Michael Spear

Lehigh University, USA

Alexander Spiegelman

VMware Research Group, USA

Jukka Suomela (chair)

Aalto University, Finland

Jara Uitto

ETH Zurich, Switzerland

Yukiko Yamauchi

Kyushu University, Japan



Organizing Committee



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BME, Hungary

Zoltán Micskei (general co-chair)

BME, Hungary

Moti Medina (workshop chair)

Ben-Gurion University of the Negev, Israel

Dennis Olivetti (proceedings chair)

Aalto University, Finland

Gábor Huszerl (local organization chair)

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Attila Varga (financial chair)

Diamond Congress Ltd., Hungary

Ákos Hajdu (web chair)

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Merav Parter

Weizmann Institute, Israel

Andréa Richa (vice chair)

Arizona State University, USA

Ulrich Schmid

TU Wien, Austria

Jukka Suomela

Aalto University, Finland

General Information

Venue

Ensana Thermal Hotel Margitsziget

Margitsziget (Margaret Island)

H-1007 Budapest, Hungary



The spa hotel, opened in 1979, totally restored in 2001, is situated on the picturesque Margaret Island, in the middle of Budapest. The hotel is connected with Ensana Grand Hotel Margitsziget by an underground corridor, so the medical facilities are shared and services of both hotels are at guests' disposal.

The hotels are surrounded by a peaceful and tranquil green park. Bicycles, horses, carts and electric buggies can be hired to get around.

Opening Hours of the Registration Desk

The registration desk is at your disposal in the Ensana Thermal Hotel Margitsziget at the main entrance level, close to the southern entrance of the building. Please, make sure to pick up your badge as soon as possible, as it is mandatory to wear your badge during all scientific sessions, meals and social events.

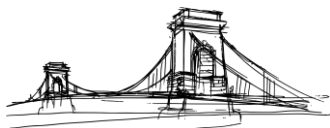
Monday, October 14 (Workshop day) **8:00-19:00**

Tuesday, October 15 **8:00-18:00**

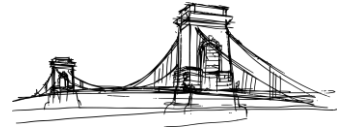
Wednesday, October 16 **8:00-18:00**

Thursday, October 17 **8:00-17:00**

Friday, October 18 (Workshop day) **8:00-17:00**



WiFi, Smartphone Application



Free WiFi is available for the participants to connect their devices.

SSID: DanubiusFree

Key: danubius40

It is especially important as you are highly recommended to use our smart phone application called SmartEvents which is kept up-to-date in relation to all program changes. If you have not downloaded it yet, please contact our personnel at the registration area.

Meals and Social Events

Please note, that all meals and side events are included in the registration fees. **Tickets are provided only for the banquet dinner, for all other events you just have to wear your badge to join.** Please always have your badge on you.

Car Parking

Parking places are available in the parking lot, located in front of the hotel. **Barrier-controlled car parking next to the hotel costs EUR 8/day. Guarded underground car park in the hotel is available for EUR 13/day.**

Please choose the **HOTEL button** at the entrance to the Margaret Island to be able to get the above mentioned reduced prices.