

# Closing of ISPDC 2022 21st IEEE International Symposium on Parallel and Distributed Computing

Basel, Switzerland  
July 11-13, 2022  
[ispdc2022.dmi.unibas.ch](http://ispdc2022.dmi.unibas.ch)



University  
of Basel



IEEE  
COMPUTER  
SOCIETY



IEEE COMPUTER SOCIETY  
**T CPP**  
Technical Committee on Parallel Processing



Hewlett Packard  
Enterprise

**Basel**   
basel.ch

# Closing Remarks from the ISPDC 2022 General Chair

Florina M. Ciorba (University of Basel, Switzerland)

# ISPDC 2022: High Quality Scientific Exchange



**20 Original Research Paper  
Presentations (18 full, 2 short)**  
*in IEEE Proceedings after the event*

**6 Oral Research Communications**  
*in IEEE Proceedings after the event*

**1 Opening Word  
5 Keynote Presentations**

**4 Coffee breaks  
3 Lunch breaks  
1 Conference Dinner**

**1 Day-long Social Event  
(optional)**

1st ISPDC edition  
sponsored by



ISPDC 2022 Best Paper Award



**The 21st IEEE International Symposium on Parallel and Distributed Computing**  
The **ISPDC 2022** Program Committee is honored to recognize the highest originality and scientific contribution  
of the following research work by providing the

## ***BEST PAPER AWARD***

to ***“Deep Heuristic for Broadcasting in Arbitrary Networks”***  
authored by Hovhannes Harutyunyan, Narek Hovhannisyan, and Rakshit Magithiya

ISPDC 2022 General Chair  
Prof. Dr. Florina M. Ciorba  
(University of Basel, Switzerland)

ISPDC 2022 Program Co-Chair  
Prof. Dr. Florin Pop  
(University Politehnica of  
Bucharest, Romania)

ISPDC 2022 Program Co-Chair  
Prof. Dr. Georgios Goumas  
(National Technical University of  
Athens, Greece)

# ISPDC 2022: Highlights from Monday, July 11, 2022

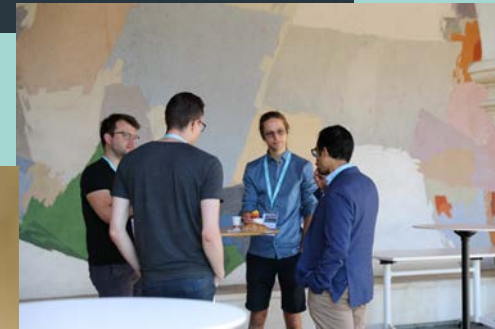
- Research
- Innovation
- Workflows
- Programming
- Collaboration
- Simulations
- Load balancing
- Urgent computing
- Universe and...
- JWST first images





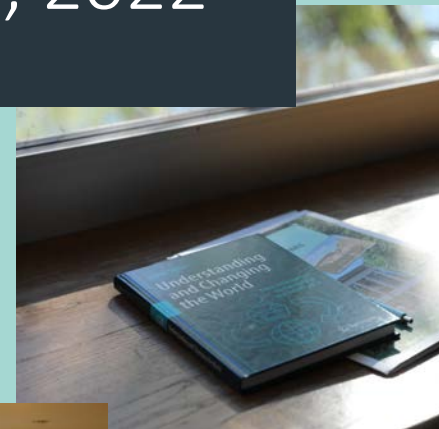
# ISPDC 2022: Highlights from Tuesday, July 12, 2022

- Universality
- Consensus
- Green HPC
- Sustainability
- 5R's: Reusability...
- Rhine
- Basel
- Sunset / Moonrise
- ...



# ISPDC 2022: Highlights from Wednesday, July 13, 2022

- Information, knowledge, intelligence
- Autonomous systems
- Trustworthy computing
- Drop computing
- Consensus (again!)
- Process algebra
- Gaming (edge)
- ...





# @ISPDC2022 and #ISPDC2022



Rosa M. Badia @rosabadia · Jul 11  
Welcome to @ISPDC2022 by @cflorina



dmi.unibas.ch @dmi\_unibas ·  
#ISPDC2022 opening word fr  
given by Prof. Torsten Schwede  
@TorstenSchwede @UniBasel



Florina Ciorba | hiring phds & postdocs @cflorina · 39m  
Utz-Uwe Haus makes a compelling case for #Green and #Exascale #HPC, where #sustainability is a design prior motivational and convincing keynote #HPE!  
@HPE\_Cray @HPE\_HPC @dmi\_uniba



ISPDC and HPE Cray



2



4



Florina Ciorba | hiring phds & postdocs @cflorina · 2h  
Rachid Guerraoui presented an interesting roadmap for a Universal Internet Machine sprinkled with questions about #asynchronous problems, #consensus and #trust in his keynote talk @ISPDC2022 day 2. #distributedcomputing #ISPDC2022 @EPFL-en



Florina Ciorba | hiring phds & postdocs @cflorina · Jul 11  
Simulating our Universe requires simulations, observations, but also theory, #supercomputers #memory #accelerators #loadbalancing #machinelearning, according to @JoachimStadel @UZH\_en keynote speaker @ISPDC2022 Awe inspiring! Thank you!!!



dmi.unibas.ch @dmi\_unibas · 4h  
#ISPDC2022 connects researchers from all over the world not only on a professional but also on a personal level. We very much enjoyed yesterday ner on the Rhine!

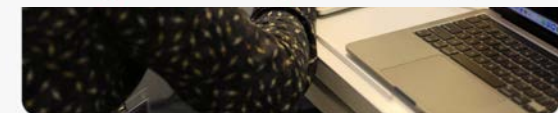
ISPDC2022 @BaselStadt @IEEEorg @ComputerSociety  
PC\_DMI\_UniBas @cflorina



4



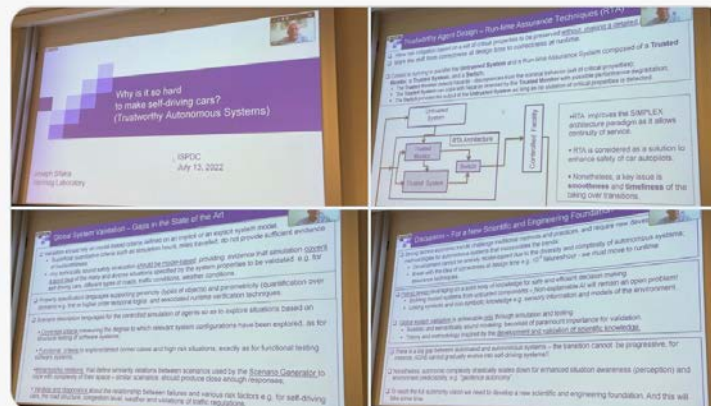
6



5



7



ISPDC and 3 others



1



1



# Highlights (to come)

Thursday, July 14, 2022 (Day 4 – optional)

08:30

20:30

[Social event] Hiking in Swiss mountains  
(optional – requires separate ticket)

- Oeschinen Lake is a UNESCO World Heritage Site
- Perhaps the most beautiful mountain lake in the Swiss Alps



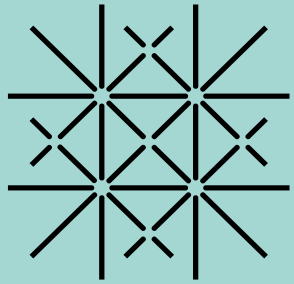


# ISPDC 2022 People

- [ispdc2022.dmi.unibas.ch/people/](https://ispdc2022.dmi.unibas.ch/people/)
- Program Committee Co-Chairs
- Proceedings Chair
- Publicity Chairs
- Local Organizing Committee
- Program Committee
- Advisory Committee
- Steering Committee




Thank you!



University  
of Basel



Many thanks to our sponsors



# ISPDC 2022

## 21st IEEE International Symposium on Parallel and Distributed Computing

July 11-13, 2022

Basel, Switzerland



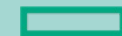
University  
of Basel



IEEE  
COMPUTER  
SOCIETY



IEEE COMPUTER SOCIETY  
**T CPP**  
Technical Committee on Parallel Processing



Hewlett Packard  
Enterprise

**Basel**   
basel.ch