EuroSciCon

# Microfluidics

## October 26-27

Athens, Greece

## 2018



Microfluidics 2018

https://microfluidics.euroscicon.com/

# Day 1, Agenda

## General Session

08:00 AM — INTRODUCTION

09:00 AM — PLENARY

10:00 AM — KEYNOTE

**Networking & Refreshments Break @ Foyer**

| | HALL 01 | HALL 02 | HALL 03 |
|---|---|---|---|
| 11:00 AM | Talks On: **Fluid Mechanics** | Talks On: **Microfluidics** | Talks On: **Fluid Flow** |
| | Talks On: **Fluid Dynamics** | Talks On: **Turbomachinery** | Talks On: **Biofluid Mechanics** |
| | **SESSION DISCUSSION** | **SESSION DISCUSSION** | **SESSION DISCUSSION** |
| 02:00 PM | Panel Over: **Fluid Statics and Dynamics** | Panel Over: **Continous Flow Microfludics** | Panel Over: **Compressible and Incompressible flows** |
| | Workshop On: **Fluid Statics and Dynamics** | Workshop On: **Continous Flow Microfludics** | Workshop On: **Cardiovascular Fluid Dynamics** |
| | *Lunch Break @ Restaurant* | *Lunch Break @ Restaurant* | *Lunch Break @ Restaurant* |
| 04:00 PM | Talks On: **CFD Methodology** | Talks On: **Hydraulics** | Talks On: **Turbines** |
| | Lectures on: **CFD-modelling** | Lectures on: **Advanced Hydraulics** | Lectures on: **Turbojet** |
| 06:00 PM | Session On: **Hydrodynamic Stability** | Session On: **Droplet Formation Method** | Session On: **Droplets Manipulation** |
| | **NETWORKING** | **NETWORKING** | **NETWORKING** |

# Day 2, Agenda

## General Session

08:00 AM — INTRODUCTION

09:00 AM — PLENARY

10:00 AM — KEYNOTE

**Networking & Refreshments Break @ Foyer**

| | HALL 01 | HALL 02 | HALL 03 |
|---|---|---|---|
| 11:00 AM | Talks On: **Heat Transfer System** | Talks On: **Hydrodynamics** | Talks On: **Droplet-Based Microfluidics** |
| | Talks On: **Digital Microfluidics** | Talks On: **Paper-Based Microfluidics** | Talks On: **DNA Chips(Micro Arrays)** |
| | **SESSION DISCUSSION** | **SESSION DISCUSSION** | **SESSION DISCUSSION** |
| 02:00 PM | Panel Over: **Device Flow** | Panel Over: **Ejection Mechanism** | Panel Over: **Cascaded Eleltroosmotic Pump** |
| | Workshop On: **Internal Flows** | Workshop On: **Rocket Aerodynamics** | Workshop On: **Computational Aero-acoustics** |
| | ***Lunch Break @ Restaurant*** | ***Lunch Break @ Restaurant*** | ***Lunch Break @ Restaurant*** |
| 04:00 PM | Talks On: **Microfluidics Cell Culture** | Talks On: **Acoustic Droplet Ejection** | Talks On: **Application of Microfluidics** |
| | Lectures on: **Thermal Expansion and Thermal Stresses** | Lectures on: **Bio Fluid Mechanics** | Lectures on: **System Dynamics** |
| 06:00 PM | Session On: **Novel Heat Exchangers** | Session On: **Particle Transport in a Turbulent Flow Field** | Session On: **Microfluidic Frameworks Utilization** |
| | **NETWORKING** | **NETWORKING** | **NETWORKING** |

# Past Affiliates

**Newton Lee**
ACM Computers in Entertainment, USA

**Yoshihiro Okada**
Kyushu University, Japan

**Chieh-Ju Huang**
Chienkuo Technology University, Taiwan

**Darius Burschka**
Technische Universität München, Germany

**Edmond Prakash**
University of Bedfordshire, UK

**Masuod Akbarzadeh**
University of Pennsylvania, USA

**Minhua Eunice Ma**
University of Huddersfield, UK

**Marco Roccetti**
University of Bologna, Italy

**Leonel Antonio Toledo Díaz**
Barcelona Supercomputer Center, Spain

**Nickolas S. Sapidis**
University of Western Macedonia, Greece

**Zhigeng Pan**
Hangzhou Normal University, China

**Ramazan S. Aygun**
University of Alabama in Huntsville, USA

**Susan Johnston**
Select Services Films, Inc., USA

**Benjamin Kenwright**
Edinburgh Napier University, UK

**Paolo Minetola**
Polytechnic University of Turin, Italy

**Jean Sequeira**
University of Aix-Marseille, France

**Matthew Johnson**
University of South Alabama, USA

**Timoleon Kipouros**
University of Cambridge, UK

**Athomas Goldberg**
Lifelike & Believable Animation Design, Inc., Canada

**Kyoung Lee Swearingen**
University of Texas at Dallas, USA

**Adam Watkins**
University of the Incarnate Word, USA

**Yonghuai Liu**
Aberystwyth University, UK

**Sunil Thankamushy**
Mount San Antonio College, USA

**Ismail Khalid Kazmi**
Bournemouth University, UK

**Yoshihiro Okada**
Innovation Center for Educational Resources (ICER), Japan

**Will Kim**
Riverside City College, USA

**Tatjana Burzanović**
University of Donja Gorica, Montenegro

**Ines Aparecida Gasparotto Boaventura**
Sao Paulo State University, Brazil

**Yann Savoye**
University of Innsbruck, Austria

**Jin Wang**
Beijing University of Technology, China,

**Inma Carpe**
The Animation Workshop/VIA University College, Denmark

**Dr. Xianghua Xie**
Swansea University, UK

**Linh Dao**
University of Texas at Arlington, USA

**Dmitry Gaborak**
Insomniac Games, USA

**Henry Hexmoor**
Southern Illinois University, USA

**Leonardo Sacht**
Federal University of Santa Catarina, Brazil

**Jiri Navrátil**
CESNET, Czech Republic

**David Novick**
The University of Texas, USA

**Michael J Zyda**
USC GamePipe Laboratory, USA

# Past Affiliates

**Qingde Li**
University of Hull, UK

**Christiaan Gribble**
SURVICE Engineering Company, USA

**V. Znak**
The Institute of Computational Mathematics and Mathematical Geophysics, Russia

**Leonel Antonio Toledo Díaz**
Instituto Tecnológico de Estudios Superiores de Monterrey, Mexico

**Barbara Mones**
University of Washington, USA

**Ramazan S. Aygun**
University of Alabama in Huntsville, USA

**Abdennour El Rhalibi**
Liverpool John Moores University, UK

**De-Xing Kong**
Zhejiang University, China

**Benjamin J Rosales**
Terra State Community College, USA

**Gareth Edwards**
Cubic Motion, USA

**Tarek Mokhtar**
Ain Shams University, Egypt

**Russell Pensyl**
Northeastern University, USA

**Luca Fascione**
Weta Digital, USA

**Mu-Song Chen**
Da-Yeh University, Taiwan

**Kari Pulli**
Light, USA

**Sebastian Sylwan**
Academy of Motion Picture Arts and Sciences Hollywood , USA

**Marco Corbetta**
Cloud Imperium Games and Foundry 42, Germany

**Noel Lopes**
Polytechnic of Guarda, Portugal

**Xin Tong**
Microsoft Research Asia , China

**Tom Sito**
University of Southern California, USA

**Carol Luckhardt Redfield**
St. Mary's University, USA

**Marco Corbetta**
Cloud Imperium Games and Foundry 42,Germany

**Ching Y. Suen**
Director of CENPARMI
Concordia Chair on AI & Pattern Recognition, Canada

**Jingtian Li**
University of the Incarnate Word, USA

**Lauren Carr**
Montclair State University, USA

**Michael Zyda**
University of Southern California, USA

**Tom Bremer**
The DAVE School, USA

**David Xu**
Regent University , USA

**Lars Linsen**
Westfälische Wilhelms-Universität Münster, Germany

**Sean McComber**
University of Texas at Dallas, USA

**Leonel Toledo**
Monterrey Institute of Technology, Mexico

**Paul Fishwick**
University of Texas at Dallas, USA

**Howard Kaplan**
University of South Florida, USA

**Ramahan Faulk**
InReal, USA

**Anton Nijholt**
University of Twente, Netherlands

**Adam Watkins**
Augmented Ideas, LLC, San Antonio, USA

# Past Affiliates

**Ching Y Suen**
Concordia University, Canada

**Piotr Didyk**
Saarland University, Germany

**Frédéric Cointault**
Agrosup Dijon, France

**Yongjoon Lee**
Bungie, USA

**Juan Carlos Torres**
University of Granada, Spain

**Anandh Ramesh**
CEO, Voxel Works Pvt. Ltd, India

**Ruck Thawonmas**
Ritsumeikan University, Japan

**Sheng-Ming Wang**
National Taipei University of Technology, Taiwan

**Scott Swearingen**
University of Texas at Dallas, USA

**Ian Parberry**
University of North Texas, USA

**William Hoff**
Colorado School of Mines, USA

**Rebecca Ruige Xu**
Syracuse University, USA

**Angela Diamos**
Woodbury University, USA

**Biju Dhanapalan**
Nanyang Technological University, Singapore

**Masasuke Yasumoto**
Kanagawa Institute of Technology, Japan

**Xiaopeng Zhang**
Chinese Academy of Sciences, China

**Petyo Budakov**
New Bulgarian University, Bulgaria

**Yvonne Cao**
Texas Christian University, USA

**Kunihito Hoki**
The University of Electro-Communications, Japan

**Anna Yankovskaya**
Tomsk State University of Architecture and Building, Russia

**Matt Dombrowski**
University of Central Florida, USA

**Nelson Lim**
Industrial Light & Magic, Singapore

**Matthew Tovar**
University of the Incarnate Word, USA

**McArthur Freeman**
University of South Florida, USA

**Minhua Eunice Ma**
University of Huddersfield, UK

**Alexandr Y. Petukhov**
Lobachevsky Nizhny Novgorod State University, Russia

**Jennifer Coleman Dowling**
Framingham State University, USA

# City Attractions












# City Attractions



Plaka Athens



Syntagma square athens



The temple of Olympian Zeus Athens




Zappeion Athens