

## Information

We kindly invite you to the XXIV Fluid Mechanics Conference (KKMP2020). We also advise to follow the current information on the Conference website:  
<http://kkmp2020.prz.edu.pl/>

## Conference Fees (PLN)

	VERY EARLY	EARLY	REGULAR	LATE
Participants	1 600	1 800	2 100	2 300
PhD student/ student	1 200	1 500	1 800	2 100
Accompanying person	800	1 000	1 200	1 400

## Important Dates (DEADLINES)

Very early registration	31.12.2019
Abstract submission	31.01.2020
Notification of acceptance	22.02.2020
Full paper submission	01.04.2020
Early bird registration	15.04.2020
Regular registration	31.05.2020
Late registration	20.06.2020

## Organizing Committee

Prof. Anna Kucaba-Piętal - Conference Chair  
PhD Liliana Rybarska-Rusinek - Conference Secretary  
PhD Małgorzata Kmiotek - Conference Secretary  
PhD Adrian Kordos  
PhD Krzysztof Marzec  
PhD Ewa Rejwer

<http://kkmp2020.prz.edu.pl/>

## Conference Venue



Rzeszów University of Technology  
Building V  
al. Powstańców Warszawy 12  
35-959 Rzeszów  
GPS: 50°1'5"N, 21°59'24"E

## Conference Contact

KKMP2020 Secretariat  
e-mail: [kkmp2020@prz.edu.pl](mailto:kkmp2020@prz.edu.pl)  
Contact person:  
PhD Liliana Rybarska-Rusinek  
Phone: +48 (17) 8651437  
Fax: +48 (17) 8651437

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2020  
KKMP

# XXIV FLUID MECHANICS CONFERENCE

Rzeszów, Poland  
1-3 July 2020



## Conference Topics

The conference topics include, but are not limited to:

- ▶ **Aerodynamics,**
- ▶ **Atmospheric Science,**
- ▶ **Combustion,**
- ▶ **Computational Fluid Dynamics,**
- ▶ **Experimental Fluid Mechanics,**
- ▶ **Flow Machinery,**
- ▶ **General Fluid Dynamics,**
- ▶ **Hydromechanics,**
- ▶ **Interdisciplinary Areas in Heat and Fluid Flow,**
- ▶ **Measurement Techniques,**
- ▶ **Micro-, Nano- and Bio-flows,**
- ▶ **Multi-phase Flows,**
- ▶ **Turbulence.**

## Publications of Papers

Accepted and presented Conference papers after positive Scientific Committee recommendation will be published in IOP Journal of Physics Conference Series (40pt MNiSW) or Technical Sciences (20pt MNiSW);

Selected authors will be invited to submit the extended, full version of their work for publication in:

- Journal of Theoretical and Applied Mechanics (40pt MNiSW),
- Archives of Mechanics (70pt MNiSW).

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## Invited Lectures



### **Prof. Volfango Bertola**

Laboratory of Technical Physics,  
School of Engineering,  
University of Liverpool, UK

***Drop impact and dynamic wetting with complex fluids***



### **Prof. Julian Domaradzki**

University of Southern California, USA

***Quantifying Numerical Dissipation and Dispersion in Simulations of Turbulent Flows***



### **Prof. Mohamed Gad-el-Hak**

Department of Mechanical & Nuclear Engineering Virginia Commonwealth University Richmond, Virginia USA

***Five Centuries of Turbulence: from da Vinci, to Kolmogorov, to the Universal Log Law***



### **Prof. Krzysztof Kempa**

Department of Physics, Boston College, USA

***Dynamics of magnetically driven magnetically active nanotubes in fluids for bio-medical applications.***



### **Prof. Nicholas J Lawson**

National Flying Laboratory Centre (NFLC), Cranfield University

***Validating a Flight Test Method for Propeller Thrust Estimation***



### **Prof. Bernd R. Noack**

LIMSI, Paris-Saclay, France; TU Berlin, Germany; TU Braunschweig, Germany; Harbin Institute of Technology, Shenzhen, China

***Turbulence Control - Better, Faster and Easier with Machine Learning***

<http://kkmp2020.prz.edu.pl/>

## Scientific Committee

### **CHAIRMAN: Prof. S. Drobniak,**

Częstochowa University of Technology

### **Prof. J. Badur,** The Szevalski Institute of Fluid-Flow Machinery

Polish Academy of Sciences, Gdansk

### **Prof. A. Bogusławski,** Częstochowa University of Technology

### **Prof. T. Chmielniak,** Silesian University of Technology

### **Prof. M. Ciałkowski,** Poznań University of Technology

### **Prof. P. Doerffer,** The Szevalski Institute of Fluid-Flow

Machinery, Polish Academy of Sciences, Gdansk

### **Prof. W. Elsner,** Częstochowa University of Technology

### **Prof. T. Kowalewski,** Institute of Fundamental Technological

Research Polish Academy of Science

### **Prof. A. Kucaba-Piętal,** Rzeszow University of Technology

### **Prof. H. Kudela,** Wrocław University of Technology

### **Prof. M. Morzyński,** Poznań University of Technology

### **Prof. Z. Peradzyński,** University of Warsaw

### **Prof. J. Pozorski,** The Szevalski Institute of Fluid-Flow

Machinery, Polish Academy of Sciences, Gdansk

### **Prof. A. Styczek,** Warsaw University of Technology

### **Prof. J. Szymd,** AGH University of Science and Technology

### **Prof. J. Szumbariski,** Warsaw University of Technology

### **Prof. E. Tuliszka-Sznitko,** Poznań University of Technology

### **Prof. A. Tyliszczak,** Częstochowa University of Technology

### **Prof. W. Wróblewski,** Silesian University of Technology

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