



Global Fluid Power Society

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# ***Global Fluid Power Society (GFPS)***

## *Participant meeting*

July 19th, 2018

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## ***GFPS Participant meeting***

*Thursday, July 19th 2018*

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In attendance:

Andrew Plummer, University of Bath, UK

Huayong Yang, Zhejyang University, China

Victor Sverbilov, Samara National Research University, Russian Federation

Jurgen Weber, TU Dresden, Germany

Andrea Vacca, Purdue University

J-C Mare, INSA Toulouse, France

Rituraj, Purdue, USA

Liselott Ericson, Linkoping University, Sweden

Meike Ernst, Purdue, USA

Luca Montorsi, Univ. of Modena and Reggio Emilia, Italy

Fabrizio Paltrinieri, Univ. of Modena and Reggio Emilia, Italy

Bernhard Manhartsgruber, J. Kepler Univ., Linz, Austria

Beichan Ding, University of Bath, UK

Jaroslav Stryczek, Wroclaw Univ., Poland

Michal Banas, Wroclaw Univ., Poland

Claudio Semini, Istituto Italiano di Tecnologia (IIT), Italy

Adolfo Senatore, Univ. of Naples, Italy

Jurgen Weber, TU Dresden, Germany

# Agenda

1. GFPS in short:  
website, participants, structure
2. GFPS elected board for the 2018-2022 term
3. GFPS in conferences
4. GFPS awards
5. First GFPS PhD symposium
6. GFPS financial status
7. Other topics

## GFPS in short

Global Fluid Power Society (GFPS) is a worldwide community of institutes for networking in the area of fluid power and fluid techniques. GFPS's general objectives are to:

- Bring people of the fluid power community “together”
- Provide information about fluid power developments and publications
- Strengthen the standing of fluid power and fluid techniques in industry and academia
- Promote fluid power and fluid techniques as scientific/technical discipline
- Promote collaborative projects and provide information about expertise in the field of fluid power technology
- Promote the exchange of students and researchers among fluid power institutions

GFPS publishes the **International Journal of Fluid Power** and provides literature information on Fluid Power. An important aspect of GFPS is technology transfer via Workshops, Conferences, and Forums.

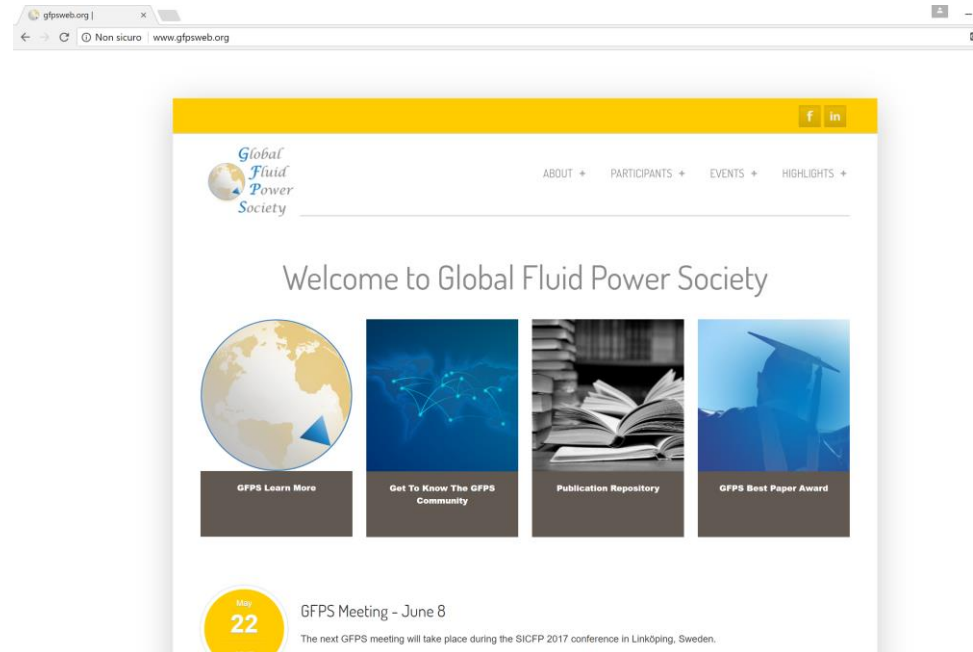
The Global Fluid Power Society operates as a Non-Profit Corporation, registered in the United States (State of Indiana).

# GFPS in short

The website is the main communication channel of GFPS ([www.gfpsweb.org](http://www.gfpsweb.org)).

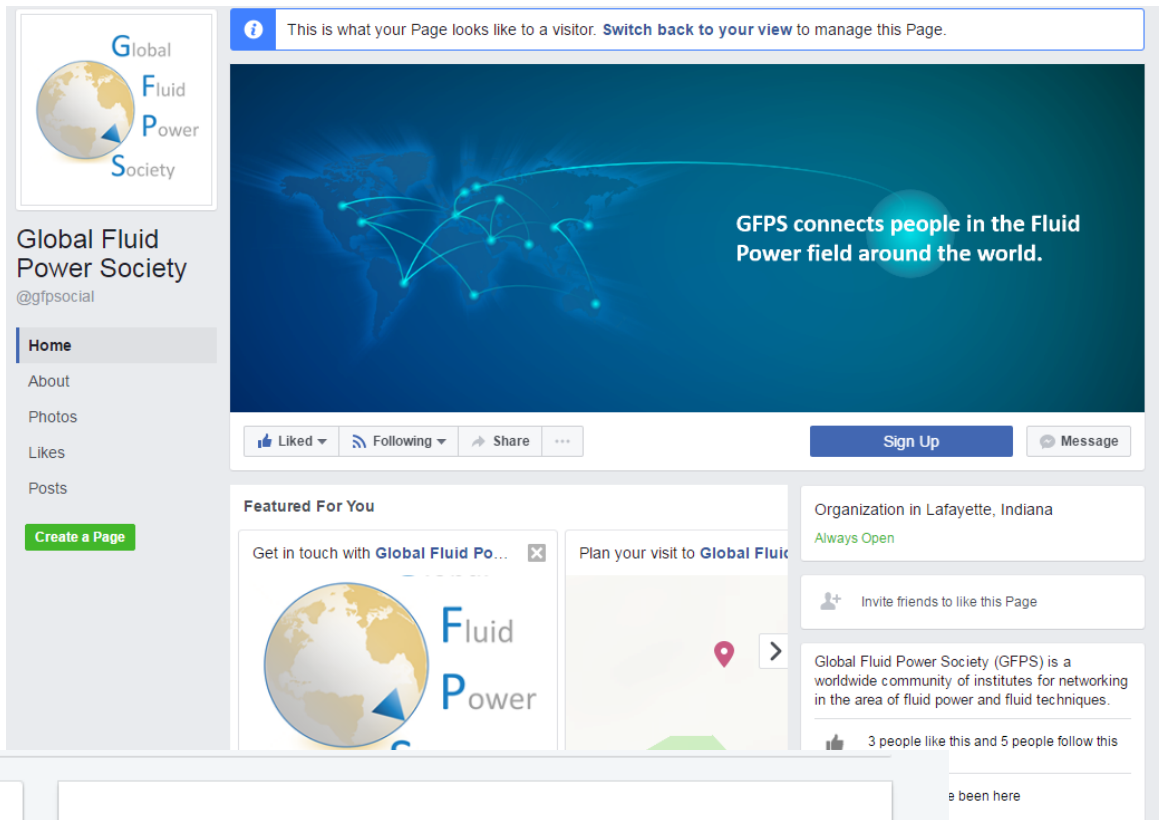
It includes:

- a repository of fluid power papers, including past Bath/PTMC conferences, IFK conferences..and other to come
- research highlights
- calendar of fluid power events
- job posting
- GFPS best paper award recipients
- GFPS participants list and statute



# GFPS in short

Like us on Facebook



This is what your Page looks like to a visitor. [Switch back to your view](#) to manage this Page.

**Global Fluid Power Society**  
@gfpsocial

Home  
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GFPS connects people in the Fluid Power field around the world.

Liked Following Share ... Sign Up Message

Featured For You

Get in touch with **Global Fluid Po...**

Plan your visit to **Global Fluid**

Organization in Lafayette, Indiana  
Always Open

Invite friends to like this Page

Global Fluid Power Society (GFPS) is a worldwide community of institutes for networking in the area of fluid power and fluid techniques.

3 people like this and 5 people follow this

LinkedIn



**Global Fluid Power Society**  
1 update • 10 followers

[Following](#)

Follow us to stay up to date with Global Fluid Power Society.

**Global Fluid Power Society**  
6d

Check out our research highlights! This month: STEAM – Hydraulic Hybrid Architecture for Excavators

 **STEAM – Hydraulic Hybrid Architecture for Excavators**  
gfpsweb.org

Like Comment Share

# **GFPS in short**

## **GFPS structure**

### **board of directors (Mar 2018 – Feb 2022)**

Andrew Plummer (chair)

Andrea Vacca (Secretary and Treasurer)

Rudolf Scheidl

Monika Ivantysynova (Editor in Chief of the Int. Journal of Fluid Power)

Huayong Yang

### **Advisory board**

each participating institution (not small participants) nominate a member of the Advisory Board

### **Participants**

small institutions

regular institutions

fluid power associations and companies

# Board of Directors

(March 2018 – February 2022)

From February 2018 vote

(vote from 17 institutions)



Andrew Plummer (**Chair**)

*University of Bath, UK*



Andrea Vacca (**Secretary and Treasurer**)

*Purdue University, USA*



Monika Ivantysynova

**(Editor of the Int. Journal of Fluid Power)**

*Purdue University, USA*



Rudolf Scheidl

*J. Kepler University of Linz, Austria*



Huayong Yang

*Zhejiang University, China*



# Current Participants

## Academic Institutions



Academic participant



Company - Association

## Organizations

ASME – FPST

VDMA - FFF

#	Institution	Country	contact person
1	Maha Fluid Power	USA	Andrea Vacca
2	IFAS - Aachen	Germany	Hubertus Murrenhoff
3	Laboratoire Ampere - INSA Lyon	France	Eric Bideaux
4	University of Minnesota CCEFP	USA	Kim Stelson
5	University of Parma	Italy	Paolo Casoli
6	University of Missouri	USA	Manring, Noah D.
7	Harbin Inst of Technology	China	Songjing Li
8	University of Bath	UK	Andrew Plummer
9	Univ of Saskatchewan	Canada	Trevis Wiens
10	Technical Univ of Technology IFD Dresden	Germany	Jurgen Weber
11	University of Naples	Italy	Adolfo Senatore
12	Yokohama National University	Japan	Kazushi Sanada
13	Beijing Institute of Technology	China	Junjie Zhou
14	Zhejiang University	China	Huayong YANG
15	IMAMOTER	Italy	Max Ruggeri
16	National Aerospace Defence Academy	Japan	Takao Nishiumi
17	Samara State Aerospace Univ	Russian Federation	Victor Sverbilov
18	Technical Univ of Turin	Italy	Massimo Rundo
19	Tampere Univ of Technology	Finland	Kalevi Huhtala
20	Wroclaw Univ of Technology	Poland	Jaroslav Stryczek
21	Lappenraanta Univ of Technology	Finland	Heikki Handroos
22	J. Kepler Univ Linz	Austria	Rudolf Scheidl
23	American univ of Lebanon	Lebanon	Naseem Daher
24	Karlsruher Inst of Technology KIT	Germany	Marcus Geimer
25	Univ of Santa Catarina - Florianopolis	Brazil	Victor De Negri
26	Cracow University of Technology	Poland	Andrzej Sobczyk
27	South China Univ of Technology	China	Yajun Liu
28	Tech Univ Braunschweig	Germany	Ludger Frerichs
29	Linkoping Univ of Tech	Sweden	Petter Krus
30	Universitat Politècnica de Catalunya	Spain	Esteban Codina
31	Danfoss Power Solutions	Germany	Robert Rahmfeld
32	Huazhong University of Science and technology	China	Yinshui Liu
33	Aalborg University	Denmark	Per Johansen
34	INSA Toulouse	France	Jean Charles Mare
35	Institute of Technische Universität Darmstadt	Germany	Christian Schänzle
36	Continental	USA	Robeto Maddalon
37	Diplomatic	Italy	Michele Pavanetto
38	National Fluid Power Association	USA	Erik Lanke
39	ASME	USA	James Van De Ven
40	VDMA FFF	Germany	Peter-Michael Synek
41	Linde Hydraulics	Germany	Johannes Schmitz
42	Sonceboz	Switzerland	Sebastien Gianini

# GFPS in conferences

ICFP 2017 (thanks to Huayong Yang and Songjing Li)

SICFP 2017 (thanks to Petter Krus)

JFPS 2017 (thanks to Kazushi Sanada)

ASME – Bath FPMC 2017 (thanks to Andrea Vacca and Monika Ivantysynova)

IFK2018 (thanks to Hubertus Murrenhoff), 2 awards!

**GFPS 2018 (BACKE' MEDAL)**

ASME – Bath FPMC 2018 (?)

FPM 2019 (thanks to Huayong Yang)

SICFP 2019 (thanks to K. Huhtala)

**Note:**

GFPS participation to conferences always to be approved by the Board of Directors

# GFPS awards

Best paper award is one of the best ways to use GFPS \$

- increases the number of awards available in fluid power field
- gives visibility to GFPS

## **Procedure for GFPS best paper award**

- The local organizer selects the papers candidate for the award (5-10 papers)
- These papers are sent to the Secretary of the Board
- The board nominates judges (GFPS participants) among conference delegates
- The judges review the papers, attend the presentations and decide the winner
- The best paper is then communicated to the Board who ratifies
- If possible, the winner is announced at the conference concluding session, or afterwards on the GFPS website
- The website will have a dedicated page for all the GFPS award

## **Type of award**

- Monetary prize: 500 USD (*might change in future*)
- Certificate
- Backe Medal → Given only at the GFPS PhD Symposium

## **Requirements:**

- The event needs to be GFPS-sponsored
- The award at the conference needs to be approved by the Board of Directors

**GFPS Participant meeting**

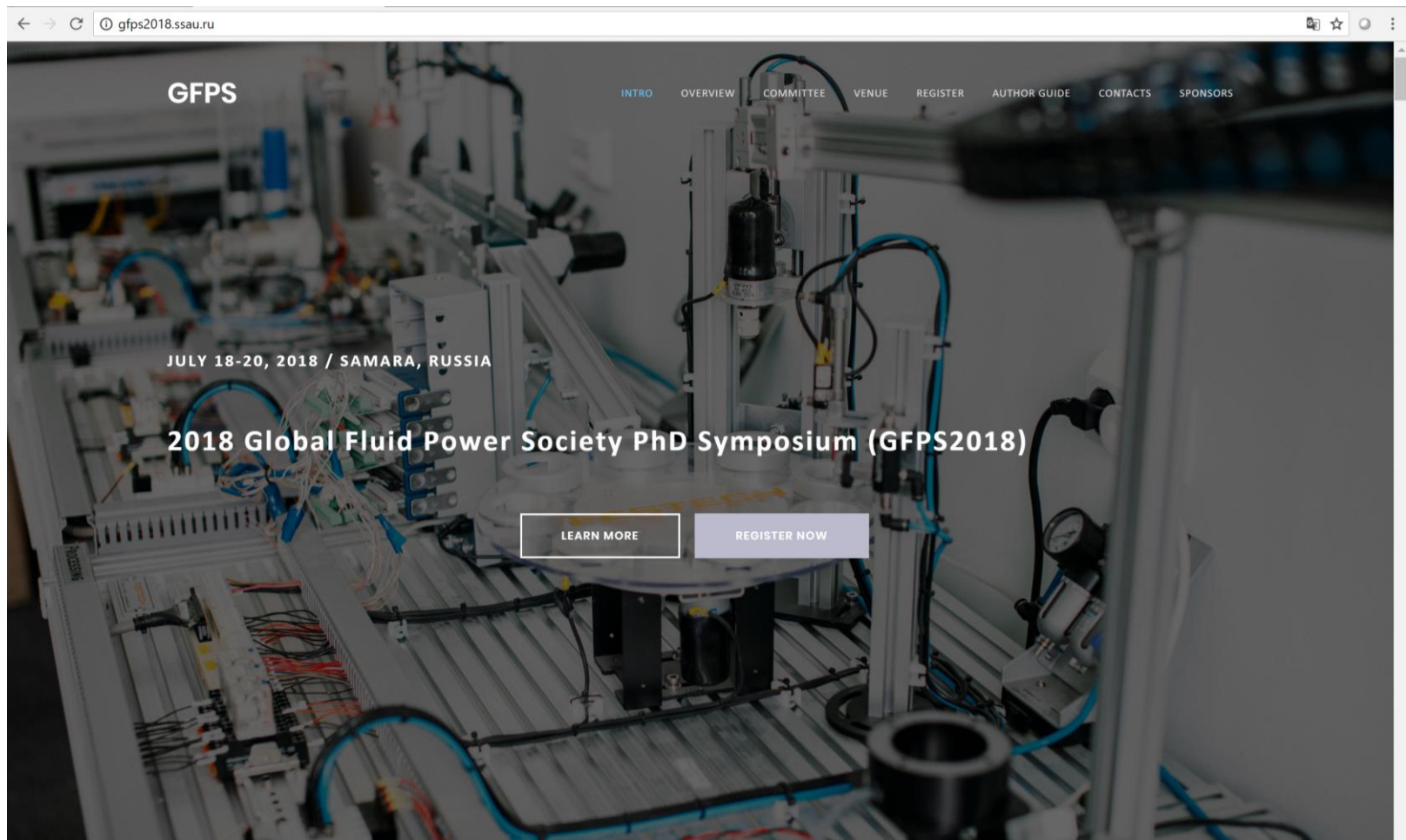
Thursday, July 19th 2018

# First GFPS PhD Symposium → IEEE !!!

Thanks to the hard work of Prof. Victor Sverbilov!

45 papers presented will be published on IEEE Xplore Digital Library!

Attendance: about 70 participants from 13 countries



# Second GFPS PhD Symposium



**G**lobal **F**luid **P**ower **S**ociety

- ✓ *nomination collected by the secretary through the form available online*
- ✓ *Board of Director decision*
- ✓ *winner announced at the 2018 GFPS PhD Symposium*

APPLICATION TO HOLD

The GFPS 2020 PhD Symposium

Dear Applicant,

The Global Fluid Power Society (GFPS) biennial PhD Symposium offers an excellent platform for young researchers and PhD students from all over the world to present and exchange their research ideas, to receive feedback from senior members of the fluid power community, in academia and industry on current research and future development in the fluid power research areas.

The symposium was established by the Fluid Power Net International in 2000, and it is organized by GFPS since 2018. The 2020 event of the symposium will be the 11<sup>th</sup> edition, and the 2<sup>nd</sup> one organized by GFPS. All past editions of the Symposium focused on cutting-edge research topics pursued by young researchers, but also included keynote lectures or other events involving the broad fluid power community.

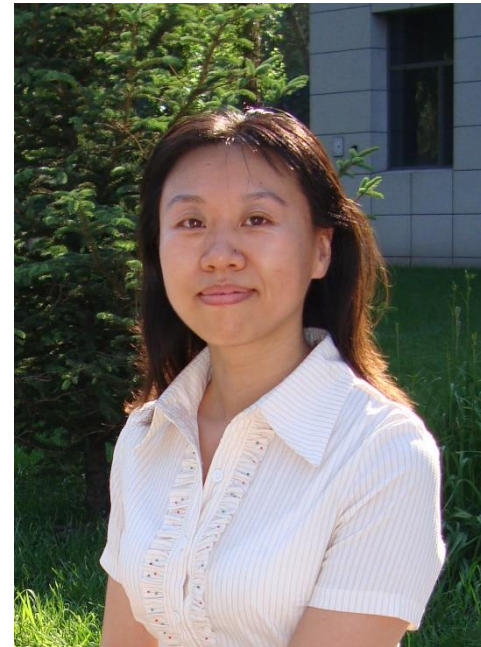
The GFPS Board of Directors is looking for applications from GFPS participating institutions for hosting the 2020 edition of the GFPS PhD Symposium. The present application form will need to be provided to the Secretary of the Board (Andrea Vacca, [avacca@purdue.edu](mailto:avacca@purdue.edu)) before June, 15<sup>th</sup>, 2018.

 Application form

# Second GFPS PhD Symposium

## GFPS2020 (IEEE) PhD Symposium

- Guilin, China
- June 15-17, 2020
- Songjing Li, Harbin Institute of Technology, China



# Second GFPS PhD Symposium

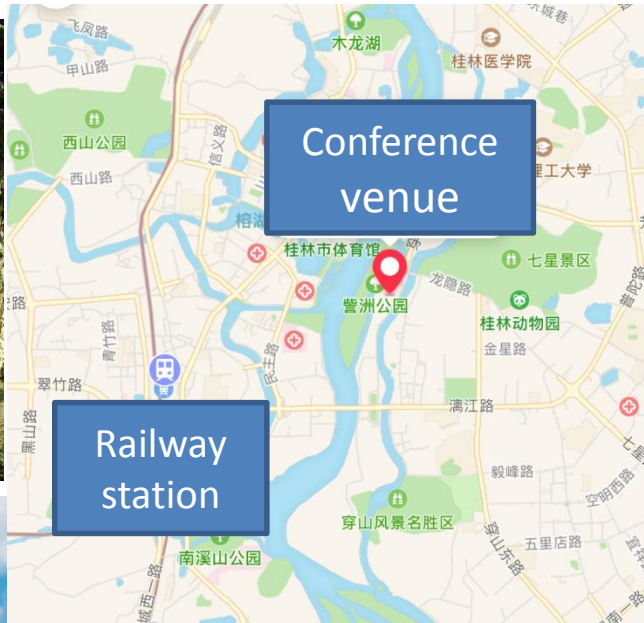
## The City-Guilin

- A small city with very beautiful sceneries of mountains and rivers
- 2 hours and half, fast train from Guangzhou to Guilin
- Close to Kunming, Chengdu and Tibet



# Second GFPS PhD Symposium

## Symposium venue



- Locates in the city center along Lijiang river
- \$60-70/room with single or double bed
- All kinds of conference rooms
- Good outdoor environment, the famous Elephant nose mountain just nearby





# Second GFPS PhD Symposium

## Sessions and technical tour

- Oral session, 60 papers
- Poster session, 40 papers

Technical tour:  
Guangxi Liuzhou Group, Liuzhou, Guangxi



- IEEE Supported symposium
- All the papers including poster session papers will be included in IEEE Xplore, and send to EI database



# GFPS financial status

Current available **\$ 12,500**

**2017 expenses:**

\$ 500 (+ bank fee) x 4 paper awards

\$ 350 2016 tax declaration

\$ 1,500 webmaster

\$ 200 web domain

# **Action points for the Directors**

**Prepare a short description of GFPS to use for promotion**

an Interview of the Chairman about GFPS should be made available to journals to make GFPS better known.

**Find ways to increase quality and participation for GFPS PhD symposium**