



Global Fluid Power Society

Global Fluid Power Society (GFPS)

Participant meeting

March 21st, 2018

GFPS Participant meeting

Wednesday, March 21st 2018

In attendance:

Andrew Plummer, University of Bath, UK

Takao Nishiumi, National Defense Academy, Japan

Huayong Yang, Zhejiang University, China

Marcus Geimer, KIT, Karlsruhe, Germany

Ludger Frerichs, IMN, TU Braunschweig, Germany

Kalevi Huhtala, TUT Tampere, Finland

Johannes Schmitz, Linde Hydraulics, Germany

Katarina Schmitz, IFAS, Aachen, Germany

Kim Stelson, University of Minnesota, USA

Marcus Gartner, IFAS, Aachen, Germany

Olivier Reinertz, IFAS, Aachen, Germany

Hubertus Murrenhoff, IFAS, Aachen, Germany

Kazushi Sanada, Yokohama National University, Japan

Victor Sverbilov, Samara National Research University, Russian Federation

Jan-Ove Palmberg, Linkoping University, Sweden

Peter Pelz, TU Darmstadt, Germany

Jurgen Weber, TU Dresden, Germany

Rudolf Scheidl, JKU Linz, Austria

Andrea Vacca, Purdue University

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:

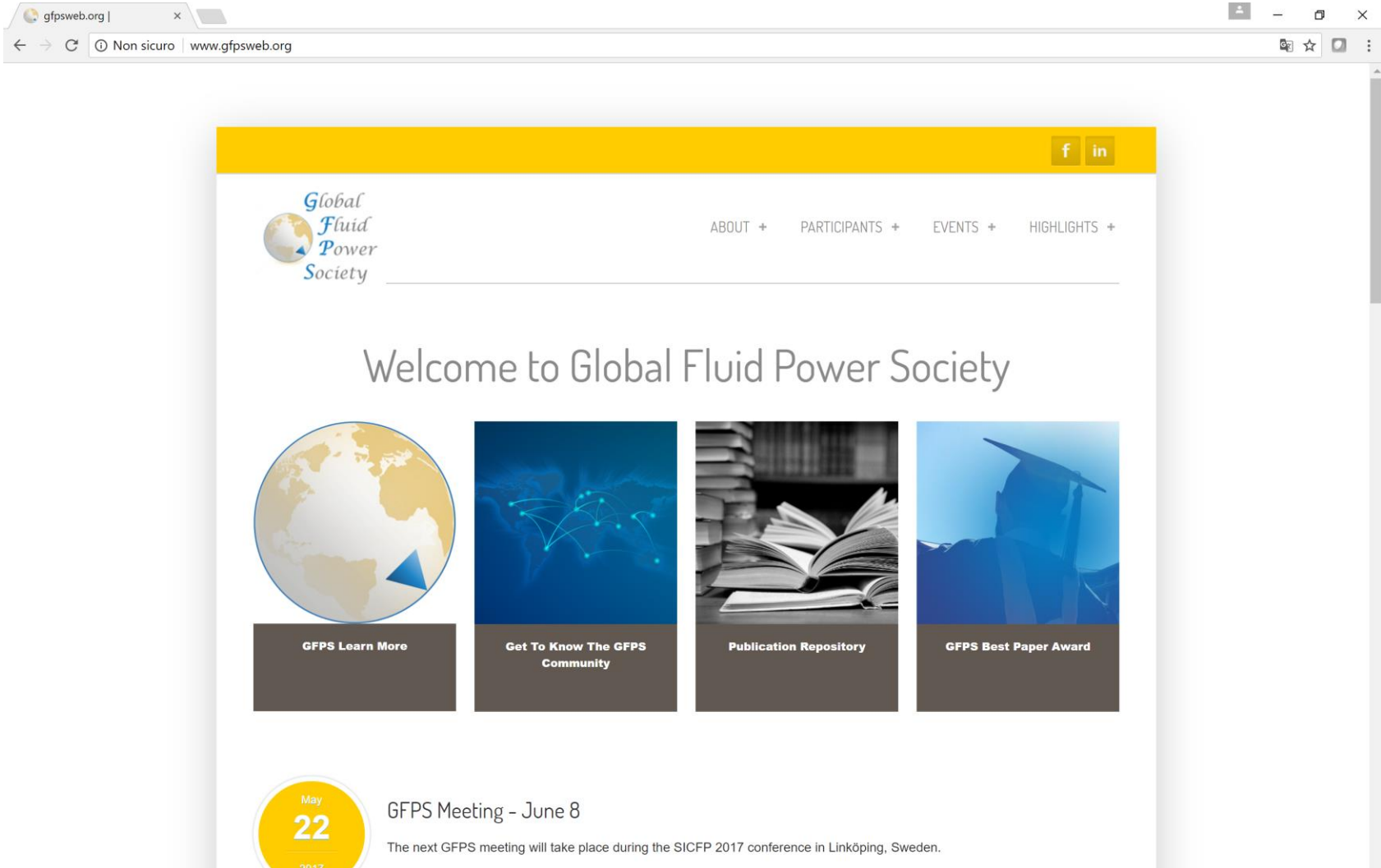
- Bring people of the fluid power community “together”
- Provide information about fluid power developments and publications
- Strengthen the standing of fluid power and fluid techniques in industry and academia
- Promote fluid power and fluid techniques as scientific/technical discipline
- Promote collaborative 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)



The screenshot shows a web browser window with the address bar displaying "www.gfpsweb.org". The website has a yellow header bar with social media icons for Facebook and LinkedIn. The main content area features the GFPS logo (Global Fluid Power Society) and a navigation menu with links for "ABOUT +", "PARTICIPANTS +", "EVENTS +", and "HIGHLIGHTS +". The central heading reads "Welcome to Global Fluid Power Society". Below this, there are four featured sections: "GFPS Learn More" (with a globe icon), "Get To Know The GFPS Community" (with a network diagram icon), "Publication Repository" (with an open book icon), and "GFPS Best Paper Award" (with a graduation cap icon). At the bottom left, there is a circular badge for "May 22 2017" and a text box announcing the "GFPS Meeting - June 8" during the SICFP 2017 conference in Linköping, Sweden.

GFPS in short

The website is the main communication channel of GFPS (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

Posts



Global Fluid Power Society

January 19 · 🌐

The Global Fluid Power Society is pleased to welcome the members:

- Laboratoire Ampère, INSA Lyon
- Centre for Power Transmission and Motion Control, University of Duisburg-Essen
- Beijing Institute of Technology
- Center for Compact and Efficient Fluid Power
- Cracow University of Technology - Laboratory of Technological Research and Heavy Duty Machines
- Harbin Institute of Technology
- Institut für fluidtechnische Antriebe und Steuerungen der RWTH Aachen
- Institute of Mobile Machines and Commercial Vehicles Technische Universität Braunschweig
- Johannes Kepler University Linz, Institute of Machine Design and Hydraulic Drives
- Maha Fluid Power Research Center, Purdue University
- Samara National Research University

Check out all the participating academic institutions!
<http://gfpsweb.org/?q=content/academic-institutions>



Global Fluid Power Society

@gfpsocial

Home

About

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Likes

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Create a Page

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



Liked Following Share ...

Sign Up

Message

Featured For You

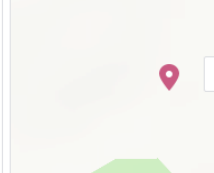
Get in touch with Global Fluid Po...



3 people like this

Message

Plan your visit to Global Fluid



1500 Kepner drive

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

0 people have been here

GFPS in short

LinkedIn

Global Fluid Power Society
Mechanical or Industrial Engineering • 10,001+ employees
View admin pages

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About us

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
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Recent update

Check out our research highlights! This month: STEA...
[see more](#)

Ads You May Be Interested In

- ACUTY Advanced Care**
Learn about ACUTY's automation features for Population Health Management.
- 3 Year Warranty Gearboxes**
For food & bev line production. Durability in the harshest of environments
- SIMATIC PCS 7**
Reduce risks in operations and improve safety

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- Koch-Glitsch**
Oil & Energy
1,001-5,000 employees

Global Fluid Power Society

1 update • 10 followers

Following

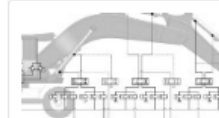
Follow us to stay up to date with Global Fluid Power Society.



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

Current Participants

Academic Institutions

40 confirmed

6 very likely to join

	participant
	likely to become participant
	no answer yet

Organizations

ASME – FPST
 VDMA - FFF

#	Institution	Country	contact person	email
1	Maha Fluid Power	USA	Andrea Vacca	avacca@purdue.edu
2	IFAS - Aachen	Germany	Hubertus Murrenhoff	Hubertus.Murrenhoff@ifas.rwth-aachen.de
3	Laboratoire Ampere - INSA Lyon	France	Eric Bideaux	eric.bideaux@insa-lyon.fr
4	University of Minnesota CCEFP	USA	Kim Stelson	kstelson@umn.edu
5	University of Parma	Italy	Paolo Casoli	paolo.casoli@unipr.it
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7	Harbin Inst of Technology	China	Songjing Li	lisongjing@hit.edu.cn
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10	Technical Univ of Technology IFD Dresden	Germany	Jurgen Weber	weber@ifd.mw.tu-dresden.de
11	University of Naples	Italy	Adolfo Senatore	senatore@unina.it
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28	Univ of Santa Catarina - Florianopolis	Brazil	Victor De Negri	victor.de.negri@ufsc.br
29	Cracow University of Technology	Poland	Andrzej Sobczyk	sobczyk@mech.pk.edu.pl
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32	Linkoping Univ of Tech	Sweden	Petter Krus	petter.krus@liu.se
33	Universitat Politècnica de Catalunya	Spain	Esteban Codina	estebanodina@gmail.com
34	Eaton Fluid Power	USA	Qing Hui Yuan	QinghuiYuan@eaton.com
35	Danfoss Power Solutions	Germany	Robert Rahmfeld	RRahmfeld@danfoss.com
36	ASME	USA	James Van de Ven	vandeven@umn.edu
37	VDMA - FFF	Germany	Peter Synek	peter.synek@vdma.org
38	Continental Hydraulics	Germany	Wade Gehlhoff	WadeG@conthyd.com
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41	Diplomatic	Germany	Michele Pavanetto	M.Pavanetto@diplomatic.com
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43	Huazhong University of Science and technology	China	Baoren Li	lbr@hust.edu.cn
44	Shanghai Jiaotong University	China	Guanglin Shi	glshi@263.net
45	INSA Toulouse	France	Jean Charles Mare	mare@insa-toulouse.fr
46	Institute of Technische Universität Darmstadt	Germany	Christian Schänze	christian.schaenze@fst.tu-darmstadt.de

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

Rules for voting the Board of Directors (BoD)

Number of board members to nominate/vote:

The board composition is of 5 individuals: 3 elected, 1 editor in chief of the journal. Additionally, the current BoD decides who will serve as Secretary for the next cycle (the Secretary is the 5th BoD member). The elected Board decides who will serve as Chair.

Term: 4 years.

maximum 2 terms for elected Directors but possible re-election after 4 years.

Only exception for the role of Secretary and Editor in Chief, which are not elected

Nomination process for candidates:

BoD nominates candidates. BoD accept also nominations from members of the Advisory Board, but not self nominations. Nominees should be from GFPS participating institutions. BoD can exclude nominations under exceptional circumstances.

Voting:

Voting (email voting): each institution votes for the 3 board members among the candidates. The BoD composition is based on the vote count, and has to respect following requirements:

- at least one member from Europe; at least one member from Asia
- at least one member from America; not more of two non-academic members

Advisory Board

- Prof. Eric Bibeaux, Laboratoire Ampère INSA Lyon
- Prof. Junjie Zhou, Beijing Institute of Technology
- Prof. Kim A. Stelson, Center for Compact and Efficient Fluid Power
- Prof. Andrzej Sobczyk, Cracow University of Technology - Laboratory of Techno-Climatic Research and Heavy Duty Machines
- Prof. Dr. Ludger Frerichs, Institute of Mobile Machines and Commercial Vehicles - Technische Universität Braunschweig
- Prof. Rudolf Scheidl, Johannes Kepler University Linz Institute of Machine Design and Hydraulic Drives
- Prof. Noah Manring, University of Missouri
- Dr. Emma Frosina, Università degli Studi di Napoli Federico II
- Prof. Viktor Sverbilov, Samara National Research University
- Prof. Travis Wiens, University of Saskatchewan Fluid Power Laboratory
- Prof. Jean-Charles Mare, INSA Toulouse - Institut Clément Ader
- Prof. Peter F. Pelz, Technische Universität Darmstadt - Fluid Systems
- Prof. Victor Juliano De Negri, Federal University of Santa Catarina - LASHIP - Laboratory of Hydraulic and Pneumatic Systems
- Prof. Heikki Handroos, Lappeenranta University of Technology
- Prof. Massimo Rundo, Politecnico di Torino - Department of Energy
- Prof. Paolo Casoli, Università degli Studi di Parma
- Prof. Jun Zou, State Key Laboratory of Fluid Power and Mechatronic Systems, Zhejiang University
- Prof. Yajun Liu, South China University of Technology
- Prof. Jürgen Weber, Institut für Fluidtechnik der Technischen Universität Dresden
- Mr. Peter-Michael Synek, VDMA Forschungsfonds Fluidtechnik (FFF) — Fluid Power Research Fund
- Prof. Kalevi Huhtala, Tampere University of Technology, Laboratory of Automation and hydraulic engineering
- Prof. Dr.-Ing. Marcus Geimer, Karlsruher Institut für Technologie, Institut für Fahrzeugsystemtechnik | Teilinstitut Mobile Arbeitsmaschinen
- Prof. Esteve Codina Macia, LABSON (Fluid Power Lab) of Universitat Politecnica de Catalunya (UPC)
- Dr. Johannes Schmitz, LINDE HYDRAULICS GMBH & CO. KG
- Mr. Michele Pavanetto, DUPLOMATIC MS
- Mr. Sébastien Gianini, Sonceboz SA

GFPS – VDMA

A possible participation model for all Fluid Power Organizations

VDMA joined the Global Fluid Power Society with the “Forschungsfonds Fluidtechnik (FFF) – Fluid Power Research Fund”

The annual fee agreed for VDA-FFF is \$ 500 as set for organizational participants.

VDMA FFF has full membership rights - as stated on GFPS home page (www.gfpsweb.org).

VDMA FFF has right to nominate a member of the advisory board.

VDMA FFF appears in the GFPS website in the list of participants, with organization logo and brief description of the organization.

VDMA FFF has log in credential to access the GFPS website. VDMA FFF can distribute the GFSP log in credentials only to VDMA FFF company members.

As an additional benefit, the VDMA FFF member companies will obtain a 50% discount (\$250) in case they decide to become full GFPS participant. This will offer them:

- a) the possibility of posting job offer at no additional cost;
- b) appear in the GFPS website with the company logo in the list of participants.
- c) optional participation in the advisory committee, upon approval of the Board;

GFPS in conferences

At the following conferences, GFPS appeared on the conference website as well as on the conference material. A GFPS best paper award was also given

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)

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

First GFPS PhD Symposium → IEEE !!!

Thanks to the hard work of Prof. Victor Sverbilov, the first GFPS conference will have papers on IEEE Xplore Digital Library!

The GFPS PhD symposium will continue the tradition of the biannual PhD Symposia started by FPNI in 2000.

1st announcement below. More details now provided by Prof. Victor Sverbilov

2018 IEEE Global Fluid Power Society PhD Symposium (GFPS2018)

Samara, Russia, on July 18-20, 2018



On behalf of the Global Fluid Power Society (GFPS) and the Samara National IP Research and Education Center, we are pleased to invite you to the Ph.D. Symposium on Fluid Power (GFPS2018). It will be the 10th Ph.D. Symposium on Fluid Power conducted by the GFPS.

The Symposium offers an excellent platform for young researchers to present and exchange their research ideas, to receive feedback from experts in academia and industry on current research and future developments.

Accepted and presented at the Symposium regular papers will be included in the IEEE Xplore Digital Library.

The Symposium papers will be submitted to the IEEE Xplore Digital Library.

We look forward to welcoming you in Samara and are sure you will have fruitful discussions and enjoy your stay in one of the oldest and most beautiful cities in Russia.

Action:
GFPS Backe medal

JULY 18-20, 2018 / SAMARA, RUSSIA

2018 Global Fluid Power Society PhD Symposium (GFPS2018)

Submission of full-length draft paper for review (extended)	February 26, 2018
Author notification of acceptance / Revision requirements	March 19, 2018 Extend to April 9
Electronic copyright form submission process opens	March 19, 2018 Extend to April 9
Latest date for visa application	April 10, 2018
Submission of revised paper for review	April 10, 2018
Author notification of acceptance of revised paper	April 22, 2018
Submission of copyright form	May 04, 2018
Submission of final paper	May 07, 2018
Latest registration date for presenting authors	May 11, 2018
Early bird registration	May 11, 2018
Last date for online registration	June 30, 2018
Conference dates	July 18-20, 2018

JULY 18-20, 2018 / SAMARA, RUSSIA

2018 Global Fluid Power Society PhD Symposium (GFPS2018)

- Abstracts 84
- Draft Papers 66 uploaded (18 expected)

Scientific Committee

- Andrzej Sobczyk Cracow, University of Technology, Poland
- Antônio Carlos Valdiero, Regional University of Northwestern, Rio Grande do Sul, Brazil
- Bernhard Manhartsgruber, Johannes Kepler University Linz, Austria
- Eduardo André Perondi, Federal University of Rio Grande do Sul, Brazil
- Eric Bideaux, INSA Lyon, France
- Eric J. Barth, Vanderbilt University, USA
- Esteve Codina, Polytechnic University of Catalonia, Spain
- Heikki Handroos, Lappeenranta University of Technology, Finland
- Jean-Charles Maré, INSA Toulouse, France
- Jürgen Weber, TU – Dresden, Germany
- Kalevi Huhtala, Tampere University of Technology, Finland
- Kazuhiro Tanaka, Kyushu Institute of Technology, Japan
- Kazushi Sanada, Yokohama National University, Japan
- Kim Stelson, University of Minnesota, USA
- Massimo Milani, University of Modena and Reggio Emilia, Italy
- Matti Pietola, Aalto University, Finland
- Nicolae Vasiliu, University Politehnica of Bucharest, Romania
- Nigel Johnston, University of Bath, UK
- Petter Krus, Linköping University, Sweden
- Robert Rahmfeld, Sauer-Danfoss GmbH, Germany
- Roger Fales, University of Missouri, USA
- Saeid Habibi, McMaster University, Canada
- Songjing Li, Harbin IT, China
- Takao Nishiumi, National Defense Academy, Japan
- Torben Andersen, Aalborg University, Denmark

GFPS financial status

Current available **\$ 8097**

2017 expenses:

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

\$ 350 2016 tax declaration

\$ 1,500 webmaster

\$ 200 web domain

Meeting discussion points

Do we have to increase the number of GFPS participants?

How?

Suggested answer: yes, with major priority to fluid power associations

How do we decide the next GFPS symposium location?

Suggested answer:

*nomination collected through proper forms prior the 2018 GFPS PhD Symposium
online voting*

winner announced at the 2018 GFPS PhD Symposium

2018 participation campaign. How to run it?

Suggested answer: the Secretary sends out a reminder to renew the participation, and cover the participation fee.

GFPS initiatives for 2018 – 2019. How to make the best use of GFPS money?

Additional points to discuss?

Meeting open discussion points

Most important notes from the meeting participants:

H. Murrenhoff: all members should mention existence and mission of GFPS in meetings with potential participants and motivate them to become members.

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

J. Weber: everybody should use his personal contacts to get new members.

A. Plummer: Board plans to write a letter which can be sent by the members to potential future members.

Location of next PhD Symposium: Board will launch a call for nominations and will make a decision before the next PhD Symposium in July, where the decision will be made public.

Meeting open discussion points

Most important notes from the meeting participants (cont.):

Frequency and places of GFPS Board and Advisory Board meetings:

At least annually

Use fluid power conferences to meet: next PhD Symposium and FPMC2018 (Bath, UK) conference.

Use of GFPS money:

Schmit (Linde): Use money to attract more students to fluid power: by additional awards or competitions or by other measures to increase attractiveness of fluid power: Board shall make plans for such measures.

Use money to keep webpage up to date: A. Vacca will finance additional student for this work.