

International Conference

FT 2017

Fluid Power 2017



Preliminary Conference Programme

CONGRESS CENTRE HABAKUK

SLOVENIA - MARIBOR, 14. - 15. SEPTEMBER 2017

Conference programme:

Thursday, 14th September 2017 - Hall Mlinařik

- 08:00 *Arrival and Registration*
- 09:00 *Opening ceremony*
- 09:30 **OPENING SESSION**
- 11:00 *Coffee break*
- 11:30 **Session I**
- 13:00 – 14:30 *Main break - Lunch*
- 14:30 **Session II**
- 16:00 *Coffee break*
- 16:30 **Session III**
- 08:00 – 18:00 **Poster session, Exhibition**
- 18:00 **Social evening**

Friday, 15th September 2017 - Hall Mlinařik

- 08:00 *Registration, information*
- 09:00 **Session IV**
- 10:30 *Coffee break*
- 11:00 **Session V**
- 12:30 *Coffee break*
- 13:00 **Session VI**
- 08:00 – 15:00 **Poster session, Exhibition**

all papers will be presented and printed in English language



Preliminary list of presentations

Digitalised pneumatics - digital motion control for pneumatic applications

M. Miklas, FESTO, Austria

Fluid Power Drives in Robotic System

Ž. Šitum, FSB Zagreb, Croatia

Parker Voice of the Machine

I. Magel, Parker, Austria

Global Analysis of an RC – Filter for a Switched Hydraulic Drive

E. Lukachev, JKU, Linz, Austria

Taylor made Control Design system for testing cilinder

M. Štefane, La&Co, Maribor, Slovenia

Impact of hydraulic network on operation of linear servo axes

P. Jurgec, FS-UM, Maribor, Slovenia

Precise force control for hydraulic and pneumatic press system

J. Benić, FSB, Zagreb, Croatia

Nonlinear position control of electrohydraulic servo systems

E. Detiček, FS-UM, Maribor, Slovenia

The nonlinear mathematical model of electrohydraulic position servo system

M. Kastrevc, FS-UM, Maribor, Slovenia

Development of heavy-duty flow divider (FD-H2) for mobile applications

L. Peternel, Poclain Hydraulics, Žiri, Slovenia



Preliminary list of presentations

Hydrostatic Transmission Design – Closed-loop Trailer Assist Drive

L. Jelovčan, Poclain Hydraulics, Žiri, Slovenia

Mathematical modeling and experimental research of characteristic parameters of aviation hydraulic piston pump

R. Petrović, Union Nikola Tesla, Belgrade, Serbia

Mathematical Modeling and Experimental Research of Characteristic Parameters barrel-valve plate of aviation hydraulic piston pumps

S. Wang, Beihang University, China

Piezo actuators for the use in hydraulic and pneumatic valves

M. Simič, FS-UL, Ljubljana, Slovenia

Methods for determining the performance characteristics of Hydraulic directional control valves

Pahič, IJS Ljubljana, Slovenia

Tribological research of different material pairs for water hydraulic seat type of valve

A. Poljšak, FS-UL, Ljubljana, Slovenia

Testing based analysis of the gerotor orbital hydraulic motor

E. Strmčnik, FS-UL, Ljubljana, Slovenia

Influence of the Hydrodynamic Bearing on the flow characteristics of a Dynamically Operated Displacement Meter

B. Othmar, AVL List, Graz, Austria

Application of hydraulic and gear oils in the food processing industry

M. Jocanović, University of Novi Sad, Serbia



Preliminary list of presentations

Hydraulic pump pulsation using Ionic Liquid

B. Manhartgruber, JKU Linz, Austria

Verification of a Simulation-Model to Predict the Transmission-Behavior of Hydrostatic Bearings on Machine Tools

J. Edler, TU Graz, Austria

Design challenges of modern hydraulic power packs

T. Tašner, Hawe Hidravlika, Petrovče, Slovenia

A selection of the latest specifications and performance requirements for environmentally considerable hydraulic fluids

M. Rauch, PANOLIN, Switzerland

Problems while testing new hydraulic fluids

M. Kambič, OLMA d.o.o., Ljubljana, Slovenia

Only first authors are listed



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