



NOVEMBER 18-19 WEBINAR BRAZIL SWEDEN

5th Workshop on Innovative Engineering for Fluid Power

November 18 - 19, 2020

WEBINAR

Organized by:



AGENDA

First Day Wednesday - Nov. 18

Day 1 (18th Nov)	Presenter	Title/Affiliation	Topic	Duration	Start (BR)	End	Start (SE)	End
Session A1	Petter Krus	Professor	WIEFP2020, Swe/Br co-op		08:30	09:10	12:30	13:10
SWE/BR	Victor De Negri/Luciana Pereira	Professors at UFSC/UFABC	Welcome	00:10	08:30	08:40	12:30	12:40
BR	Alessandra Holmo	Managing Director at CISB	Platform to Develop Collaborations Between the Innovation Ecosystems	00:20	08:40	09:00	12:40	13:00
			Questions	00:05	09:00	09:05	13:00	13:05
			Short Break	00:05	09:05	09:10	13:05	13:10
					Start (BR)	End	Start (SE)	End
Session A2	Luciana Pereira	Professor	Innovation and Entrepreneurship		09:10	10:20	13:10	14:20
USA	Astrid Mozes	VP – Power & Motion Controls Hydraulics Group, Eaton	Innovation Management – Why What How	00:10	09:10	09:20	13:10	13:20
			Questions	00:05	09:20	09:25	13:20	13:25
SWE	Paul Bogatir	Manager of HHK	Pivoting in a Pandemic – A Nimble-Footed Guide	00:15	09:25	09:40	13:25	13:40
			Questions	00:05	09:40	09:45	13:40	13:45
BR	Waldir Viana	AT Consulting	COVID19, Obstacle or Opportunity? Success History During Pandemic Times	00:15	09:45	10:00	13:45	14:00
			Discussion	00:10	10:00	10:10	14:00	14:10
			Short break	00:10	10:10	10:20	14:10	14:20
					Start (BR)	End	Start (SE)	End
Session A3	Petter Krus	Professor	Simulation		10:20	12:25	14:20	16:25
SWE	Björn Eriksson	Principal Engineer at Parker	Electrification at Parker Hannifin	00:20	10:20	10:40	14:20	14:40
			Questions	00:05	10:40	10:45	14:40	14:45
BR	Lie Pablo Grala Pinto	Professor at Inspier	Digital Twin Applications with Hopsan	00:15	10:45	11:00	14:45	15:00
			Questions	00:05	11:00	11:05	15:00	15:05
SWE	Magnus Sethson	Senior Lecturer at LIU	Simulation in Education at LIU	00:15	11:05	11:20	15:05	15:20
			Questions	00:05	11:20	11:25	15:20	15:25
			Short break	00:05	11:25	11:30	15:25	15:30
BR	Emilia Villani	Professor at ITA	Discrete Event Modeling	00:15	11:30	11:45	15:30	15:45
			Questions	00:05	11:45	11:50	15:45	15:50
BR	Henrique Raduenz	PhD Student at UFSC/LIU	Machine Learning for Fluid Power Systems	00:05	11:50	11:55	15:50	15:55
			Discussion	00:10	11:55	12:05	15:55	16:05
			Long break	00:20	12:05	12:25	16:05	16:25
					Start (BR)	End	Start (SE)	End
Session A4	Viktor Larsson		Electrification		12:25	13:15	16:25	17:15
SWE	Alessandro Dell'Amico	Engineer at Saab/Adjunct Senior Lecturer at LIU	Future Aircraft Flight Control Actuation Systems	00:20	12:25	12:45	16:25	16:45
			Questions	00:05	12:45	12:50	16:45	16:50
SWE	Samuel Kärnell	PhD Student at LIU	What Electrification Will Do to the Hydraulic Pump and System	00:05	12:50	12:55	16:50	16:55
BR	Dimitri Silva	PhD Student at UFSC	Analysis of Digital Hydraulic Pump with Motor Speed Control	00:05	12:55	13:00	16:55	17:00
SWE	Felix Larsson	PhD Student at LIU	Iron Bird Testrig for Future Aircraft Actuation Systems	00:05	13:00	13:05	17:00	17:05
			Discussion	00:10	13:05	13:15	17:05	17:15

Second Day Thursday - Nov. 19

Day 2 (19th Nov)					Start (BR)	End	Start (SE)	End
Session B1	Victor De Negri		Components		08:30	09:35	12:30	13:35
BR	Alex Lima	Product Engineer at Bosch Rexroth	Connected Hydraulics: The New Era of Hydraulic Systems	00:20	08:30	08:50	12:30	12:50
			Questions	00:05	08:50	08:55	12:50	12:55
SWE	Liselott Ericson	Associate Professor at LIU	EPump - A compact and Efficient Way to Create Hydraulic Power	00:15	08:55	09:10	12:55	13:10
			Questions	00:05	09:10	09:15	13:10	13:15
BR	Marcos Paulo	PhD Student at UFSC	Digital Pumps with Multi-Chambers Cylinder	00:05	09:15	09:20	13:15	13:20
			Discussion	00:10	09:20	09:30	13:20	13:30
			Short Break	00:05	09:30	09:35	13:30	13:35
					Start (BR)	End	Start (SE)	End
Session B2	Liselott Ericson		Systems		09:35	11:30	13:35	15:30
SWE	Jan Nilsson	MD, VP & Global Engineering Head at Wipac	Suspension System for Off Road Vehicles	00:20	09:35	09:55	13:35	13:55
			Questions	00:05	09:55	10:00	13:55	14:00
SWE	Kim Heybroek	Research Engineer at Volvo CE	Energy Management on Site-Level	00:15	10:00	10:15	14:00	14:15
			Questions	00:05	10:15	10:20	14:15	14:20
			Short Break	00:10	10:20	10:30	14:20	14:30
US	Kim Stelson	Professor at University of Minnesota	Energy Saving Hydraulic Technology for Wind Power	00:15	10:30	10:45	14:30	14:45
			Questions	00:05	10:45	10:50	14:45	14:50
BR	Cristiano Roeder	Engineer at Hydac	Technical Cleanliness and Condition Monitoring	00:15	10:50	11:05	14:50	15:05
			Discussion	00:10	11:05	11:15	15:05	15:15
			Long Break	00:15	11:15	11:30	15:15	15:30
					Start (BR)	End	Start (SE)	End
Session B3	Magnus Sethson	Senior Lecturer at LIU	Simulation		11:30	13:10	15:30	17:10
SWE	Robert Braun	Senior Lecturer at LIU	Hopsan - A Simulation Tool for Fast and Robust Simulation of Fluid Power Systems	00:15	11:30	11:45	15:30	15:45
			Questions	00:05	11:45	11:50	15:45	15:50
US	Astrid Mozes	VP of Power & Motion Controls Hydraulics Group at Eaton	Innovative Thinking in a Changing Environment	00:15	11:50	12:05	15:50	16:05
			Questions	00:05	12:05	12:10	16:05	16:10
			Short Break	00:05	12:10	12:15	16:10	16:15
SWE	Petter Krus	Professor at LIU	Hopsan Pneumatics Library	00:15	12:15	12:30	16:15	16:30
			Questions	00:05	12:30	12:35	16:30	16:35
SWE	Viktor Larsson	Postdoc at LIU	Hardware in the Loop Simulation	00:10	12:35	12:45	16:35	16:45
BR	Vinicius Vigolo	PhD Student at UFSC	Sizing Pneumatic Actuation System Through Operating Points	00:05	12:45	12:50	16:45	16:50
			Discussion	00:10	12:50	13:00	16:50	17:00
Session B4								
SWE/BR	Petter Krus/Victor De Negri	Professors at LIU/UFSC	Concluding Remarks	00:10	13:00	13:10	17:00	17:10

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