

5th Workshop on Innovative Engineering for Fluid Power

November 18 - 19, 2020

WEBINAR Organized by:









			AGENDA					
	T	_	Day Wednesday - Nov. 18	D	Or-4 (DD)	le. a	01-1 (05)	le. a
Day 1 (18th Nov) Session A1	Presenter Petter Krus	Title/Affiliation Professor	Topic WIEFP2020, Swe/Br co-op	Duration	Start (BR) 08:30	09:10	Start (SE) 12:30	End 13:10
SWE/BR	Victor De Negri/Luciana	Professors at UFSC/UFABC	Welcome	00:10	08:30	08:40	12:30	12:40
	Pereira		Platform to Develop Collaborations					
BR	Alessandra Holmo	Managing Director at CISB	Between the Innovation Ecosystems	00:20	08:40	09:00	12:40	13:00
			Questions Short Break	00:05 00:05	09:00 09:05	09:05 09:10	13:00 13:05	13:05 13:10
					Start (BR)	End	Start (SE)	End
Session A2	Luciana Pereira	Professor VP – Power & Motion Controls	Innovation and Entrepeneurship Innovation Management – Why What		09:10		13:10	14:20
SWE	Astrid Mozes	Hydraulics Group, Eaton	How	00:10	09:10	09:20	13:10	13:20
			Questions	00:05	09:20	09:25	13:20	13:25
	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 Start (BR)	10:20 End	14:10 Start (SE)	14:20 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
		D (Questions	00:05	10:40	10:45	14:40 14:45	14:45 15:00
BR	Lie Pablo Grala Pinto	Professor at Insper	Digital Twin Applications with Hopsan Questions	00:15 00:05	10:45 11:00	11:00 11:05	15:00	15:05
SWE	Magnus Sethson	Senior Lecturer at LiU	Simulation in Education at LiU	00:05	11:05	11:20	15:05	15:20
			Questions	00:05	11:20	11:25	15:20	15:25
BR	Emilia Villani	Professor at ITA	Short break Discrete Event Modeling	00:05 00:15	11:25 11:30	11:30 11:45	15:25 15:30	15:30 15:45
DI/	Liillia villaill	I TOTESSUL ALTER	Questions Questions	00:15	11:30	11:45	15:30	15:45
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 Start (BR)	12:25 End	16:05	16:25 End
Session A4	Viktor Larsson		Electrification		12:25	13:15	Start (SE) 16:25	17:15
SWE	Alessandro Dell'Amico	Engineer at Saab/Adjunct Senior	Future Aircraft Flight Control Actuation	00:20	12:25	12:45	16:25	16:45
	7 Hoodanaro Bon 7 Hilloo	Lecturer at LiU	Systems Questions	00:05	12:45	12:50	16:45	16:50
SWE	Samuel Kärnell	PhD Student at LiU	What Electrification Will Do to the	00:05	12:50	12:55	16:50	16:55
			Hydraulic Pump and System Analysis of Digital Hydraulic Pump with					
BR	Dimitri Silva	PhD Student at UFSC	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
	T	Secon	nd Day Thursday - Nov. 19	1				
Day 2 (19th nov)					Start (BR)	End	Start (SE)	End
Session R1	Victor De Negri		Components		08:30	09:35	12:30	13:35
Session B1	Victor De Negri	Product Engineer at Bosch Reyroth	Connected Hydraulics: The New Era of	00.50	08:30	09:35	12:30 12:30	13:35 12:50
Session B1 BR	Victor De Negri 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
BR	Alex Lima	-	Connected Hydraulics: The New Era of Hydraulic Systems Questions EPump - A compact and Efficient Way to	00:05	08:30 08:50	08:50 08:55	12:30 12:50	12:50 12:55
		Product Engineer at Bosch Rexroth Associate Professor at LiU	Connected Hydraulics: The New Era of Hydraulic Systems Questions EPump - A compact and Efficient Way to Create Hydraulic Power	00:05 00:15	08:30 08:50 08:55	08:50 08:55 09:10	12:30 12:50 12:55	12:50 12:55 13:10
BR SWE	Alex Lima Liselott Ericson	Associate Professor at LiU	Connected Hydraulics: The New Era of Hydraulic Systems Questions EPump - A compact and Efficient Way to Create Hydraulic Power Questions	00:05 00:15 00:05	08:30 08:50 08:55 09:10	08:50 08:55 09:10 09:15	12:30 12:50 12:55 13:10	12:50 12:55 13:10 13:15
BR	Alex Lima	-	Connected Hydraulics: The New Era of Hydraulic Systems Questions EPump - A compact and Efficient Way to Create Hydraulic Power Questions Digital Pumps with Multi-Chambers Cylinder	00:05 00:15 00:05 00:05	08:30 08:50 08:55 09:10 09:15	08:50 08:55 09:10 09:15 09:20	12:30 12:50 12:55 13:10 13:15	12:50 12:55 13:10 13:15 13:20
BR SWE	Alex Lima Liselott Ericson	Associate Professor at LiU	Connected Hydraulics: The New Era of Hydraulic Systems Questions EPump - A compact and Efficient Way to Create Hydraulic Power Questions Digital Pumps with Multi-Chambers Cylinder Discussion	00:05 00:15 00:05 00:05	08:30 08:50 08:55 09:10 09:15	08:50 08:55 09:10 09:15 09:20	12:30 12:50 12:55 13:10 13:15 13:20	12:50 12:55 13:10 13:15 13:20 13:30
BR SWE	Alex Lima Liselott Ericson	Associate Professor at LiU	Connected Hydraulics: The New Era of Hydraulic Systems Questions EPump - A compact and Efficient Way to Create Hydraulic Power Questions Digital Pumps with Multi-Chambers Cylinder	00:05 00:15 00:05 00:05	08:30 08:50 08:55 09:10 09:15	08:50 08:55 09:10 09:15 09:20	12:30 12:50 12:55 13:10 13:15	12:50 12:55 13:10 13:15 13:20
BR SWE	Alex Lima Liselott Ericson	Associate Professor at LiU	Connected Hydraulics: The New Era of Hydraulic Systems Questions EPump - A compact and Efficient Way to Create Hydraulic Power Questions Digital Pumps with Multi-Chambers Cylinder Discussion	00:05 00:15 00:05 00:05	08:30 08:50 08:55 09:10 09:15 09:20 09:30	08:50 08:55 09:10 09:15 09:20 09:30 09:35	12:30 12:50 12:55 13:10 13:15 13:20 13:30	12:50 12:55 13:10 13:15 13:20 13:30 13:35
BR SWE BR	Alex Lima Liselott Ericson Marcos Paulo	Associate Professor at LiU PhD Student at UFSC MD, VP & Global Engineering Head	Connected Hydraulics: The New Era of Hydraulic Systems Questions EPump - A compact and Efficient Way to Create Hydraulic Power Questions Digital Pumps with Multi-Chambers Cylinder Discussion Short Break	00:05 00:15 00:05 00:05	08:30 08:50 08:55 09:10 09:15 09:20 09:30 Start (BR)	08:50 08:55 09:10 09:15 09:20 09:30 09:35 End	12:30 12:50 12:55 13:10 13:15 13:20 13:30 Start (SE)	12:50 12:55 13:10 13:15 13:20 13:30 13:35 End
BR SWE BR Session B2	Alex Lima Liselott Ericson Marcos Paulo Liselott Ericson	Associate Professor at LiU PhD Student at UFSC	Connected Hydraulics: The New Era of Hydraulic Systems Questions EPump - A compact and Efficient Way to Create Hydraulic Power Questions Digital Pumps with Multi-Chambers Cylinder Discussion Short Break Systems	00:05 00:15 00:05 00:05 00:10 00:05	08:30 08:50 08:55 09:10 09:15 09:20 09:30 Start (BR) 09:35	08:50 08:55 09:10 09:15 09:20 09:30 09:35 End 11:30	12:30 12:50 12:55 13:10 13:15 13:20 13:30 Start (SE) 13:35	12:50 12:55 13:10 13:15 13:20 13:30 13:35 End
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BR SWE BR Session B2 SWE	Alex Lima Liselott Ericson Marcos Paulo Liselott Ericson Jan Nilsson	Associate Professor at LiU PhD Student at UFSC MD, VP & Global Engineering Head at Wipro	Connected Hydraulics: The New Era of Hydraulic Systems Questions EPump - A compact and Efficient Way to Create Hydraulic Power Questions Digital Pumps with Multi-Chambers Cylinder Discussion Short Break Systems Suspension System for Off Road Vehicles Questions Energy Management on Site-Level Questions	00:05 00:15 00:05 00:05 00:05 00:05 00:20 00:05	08:30 08:55 09:10 09:15 09:20 09:30 Start (BR) 09:35 09:35 10:00 10:15	08:50 08:55 09:10 09:15 09:20 09:30 09:35 End 11:30 09:55 10:00 10:15	12:30 12:50 12:55 13:10 13:15 13:20 13:30 Start (SE) 13:35 13:35 14:00 14:15	12:50 12:55 13:10 13:15 13:20 13:30 13:35 End 15:30 13:55 14:00 14:15 14:20
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BR SWE BR Session B2 SWE US BR Session B3 SWE	Alex Lima Liselott Ericson Marcos Paulo Liselott Ericson Jan Nilsson Kim Heybroek Kim Stelson Cristiano Roeder Magnus Sethson Robert Braun	Associate Professor at LiU PhD Student at UFSC MD, VP & Global Engineering Head at Wibro Research Engineer at Volvo CE Professor at University of Minnesota Engineer at Hydac Senior Lecturer at LiU VP of Power & Motion Controls	Connected Hydraulics: The New Era of Hydraulic Systems Questions EPump - A compact and Efficient Way to Create Hydraulic Power Questions Digital Pumps with Multi-Chambers Cylinder Discussion Short Break Systems Suspension System for Off Road Vehicles Questions Energy Management on Site-Level Questions Short Break Energy Saving Hydraulic Technology for Wind Power Questions Technical Cleanliness and Condition Monitoring Discussion Long Break Simulation Long Break Simulation Hopsan - A Simulation Tool for Fast and Robust Simulation Questions Questions Invalid Power Systems Questions Condition Conditio	00:05 00:15 00:05 00:05 00:06 00:06 00:05 00:05 00:10 00:05 00:15 00:05 00:15 00:05 00:15 00:10 00:15	08:30 08:55 08:55 09:10 09:15 09:20 09:30 Start (BR) 09:35 10:00 10:15 10:20 11:05 11:05 11:15 Start (BR) 11:30 11:45	08:50 08:55 09:10 09:15 09:20 09:30 09:35 End 11:30 10:15 10:20 11:05 11:05 11:15 11:31 End 11:45	12:30 12:55 13:10 13:15 13:16 13:35 13:35 13:35 14:00 14:15 14:20 14:30 15:05 15:05 15:15 Start (SE) 15:30 15:30	12:50 12:55 13:10 13:15 13:20 13:35 End 15:30 14:50 14:50 14:50 15:05 15:15 15:30 End 17:10 15:45
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