

WEDNESDAY, NOVEMBER 15th, 2017

09:00	Registration	
09:45	Introductory Remarks Kevin Laboe, FCA Group	
10:00	Welcome and introduction	
10:10	Keynote Presentation 1 Dr. Gary Smyth, Executive Director, Global Research and Development, GM	
	Technical Session ONE: WHR Applications	Technical Session TWO: Systems Modelling
11:00	<p><i>Improving The Total Cost Of Ownership Of Exhaust Heat Recovery Systems By Utilizing The Engine Coolant Heat – Test Stand Investigations On An Internal Combustion Engine</i></p> <p>Thomas Arnold IAV GmbH</p>	<p><i>Optimisation Of Low Grade ORC WHR System Within Practical Constraints</i></p> <p>Dr. Alexander Fedotov TP Group</p>
11:30	Coffee	
12:00	<p><i>A Comparison Between Achievement From ORC System And Other Technologies For Heavy-Duty Combination Tractors</i></p> <p>Yousef Jeihouni FEV North America Inc</p>	<p><i>Waste Heat Recovery Potential Analysis For Heavy Duty Truck Applications Based On Transient Road Cycle Simulations</i></p> <p>Thomas Reiche Volvo</p>

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12:30	<i>Efficiency Gains Using Waste Heat To Power On Reciprocating Engines By Electratherm, Inc.</i> John Fox <i>ElectraTherm</i>	<i>Thermo-Economic Optimization Of Small-Scale ORC Systems For Heat Recovery From Natural Gas Internal Combustion Engines For Stationary Power Generation</i> Antonio Marco Pantaleo <i>Imperial College London</i>
13:00	Lunch	
	Technical Session ONE: WHR Applications	Technical Session TWO: Systems Modelling
14:00	<i>Organic Rankine Cycle Waste Heat Recovery System Net Power Optimization Utilizing Dynamic Programming in Heavy Duty Diesel Engine Applications</i> Bin Xu <i>Clemson University</i>	<i>Efficiency Maps Of Reciprocating-Piston Expanders For ORC Applications</i> Dr. Christos Markides <i>Imperial College London</i>
14:30	<i>High Temperature Waste Heat Recovery From Gensets With Integrated Pump-Expander Assembly</i> Alejandro Lavernia <i>Purdue University</i>	<i>Waste Heat Recovery From ICE Employing Two-Phase Engine Coolant As Working Fluid</i> Davide Ziviani <i>Purdue University</i>
15:00	<i>Rankine Cycle, From Thermodynamic Equation To Road Test</i> Thibault Fouquet <i>Faurecia Clean Mobility</i>	
15:30	Coffee break	
16:00	Panel Discussion on Challenges and Obstacles for the Mass Production of Automotive ORC-Systems	
16:45	Wrap up and close Kevin Laboe, <i>FCA Group</i>	
17:00	Welcome reception	

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THURSDAY, NOVEMBER 16th, 2017

09:30	Welcome back and recap Kevin Laboe, <i>FCA Group</i>	
09:45	KEYNOTE PRESENTATION 2 Prof Eckhard Groll, Professor of Mechanical Engineering, Purdue University	
	Technical Session THREE: Testing	Technical Session TWO: Systems Modelling
10:30	<i>Oil Circulating Rate Impact In Organic Rankine Cycles For Exhaust Heat Recovery In Heavy Duty Trucks</i> Rémi Daccord <i>EXOES</i>	<i>Optimisation of Internal Combustion Engine Coupled with Organic Rankine Cycle with Exergo-Economic Approach</i> Cedric Rouaud <i>Ricardo</i>
11:00		<i>Multi-Objective Optimization Of Organic Rankine Cycle Power Systems For Waste Heat Recovery On Heavy-Duty Vehicles</i> Dr. Muhammad Imran, <i>Technical University of Denmark</i>
11:30	Coffee	
	Technical Session THREE: Testing	Technical Session FOUR: System Controls
12:00	<i>Experimentation And Modeling Of A 1.5 Kw Axial Turbine For Waste Heat Recovery On A Passenger Car Trough The Use Of A Rankine Cycle</i> Olivier Dumont <i>University Of Liege</i>	<i>Model Predictive Control for Organic Rankine Cycle applied to Hybrid Vehicles</i> Alan Agurto Goya <i>Jaguar Land Rover</i>
12:30		<i>Control Of Organic Rankine Cycle Based Waste Heat Recovery System</i> Payam Soulatiantork <i>Queen's University Belfast</i>

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13:00	Lunch	
	Technical Session THREE: Testing	Technical Session FIVE: Working Fluids
14:00	<p><i>Preliminary experimental study on vibration characteristics of single screw expanders</i></p> <p>Wei Wang <i>Beijing University of Technology</i></p>	<p><i>Low Gwp Working Fluids For Low Temperature Organic Rankine Cycles In Waste Heat Recovery Applications</i></p> <p>Jason Juhasz <i>Chemours</i></p>
14:30	<p><i>Experimental Investigation Of Waste Heat Recovery Using An Organic Rankine Cycle For Heavy Duty Trucks</i></p> <p>Max Hombsch <i>Dana Belgium NV</i></p>	<p><i>A Moving Boundary Modeling Approach For ORC Heat Exchangers Operating With Binary Mixtures</i></p> <p>Donghun Kim <i>Purdue University</i></p>
15:00	Coffee break	
	Technical Session SIX: Expander Technologies	
15:30	<p><i>Sliding Vane Rotary Expander In ORC-Based Plat For Exhaust Heat Recovery</i></p> <p>Prof. Roberto Cipollone <i>University of L'Aquila</i></p>	
16:00	Panel Discussion on ORC Working Fluids	
16:45	<p>Wrap Up and close</p> <p>Kevin Laboe, <i>FCA Group</i></p>	
19:00	Conference dinner	

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FRIDAY, NOVEMBER 17th, 2017

09:30	Welcome back and recap Kevin Laboe, <i>FCA Group</i>	
09:45	KEYNOTE PRESENTATION 3 Vincent Grelet, PhD, Tenneco Clean Air Europe "Rankine Cycle Based Power Systems: Past, Present And Future Perspectives"	
	Technical Session SIX: Expander Technologies	Technical Session SEVEN: Heat Exchanger Technologies
10:30	<i>Proof Of Concept Project For The Development Of A Linear Motion Piston Expander Device</i> Dr Luke Blades <i>Queen's University Belfast</i>	<i>System-Level Optimization Approach of Cross-Flow ORC Evaporators</i> Adrian Folgueira <i>BorgWarner</i>
11:00	<i>Design Optimization of Scroll Expander for Waste Heat Recovery from Stationary Internal Combustion Engines</i> Kunal Bansal <i>Air Squared Inc.</i>	<i>Material Choice for Liquid Cooled Condensers Using an Ethanol / Water Mixture as a Working Fluid</i> Adam Kimmel <i>Modine Manufacturing Company</i>
11:30	Panel Discussion on the Coming Enablers in terms of either Technology, Legislation, Economic Factors or Other Forces	
12:15	Closing Remarks Kevin Laboe, <i>FCA Group</i>	
12:30	Lunch and networking	

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