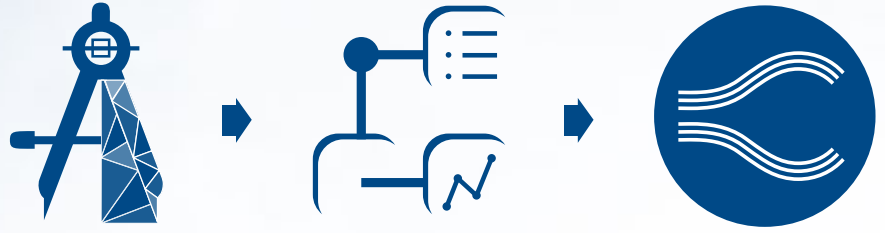




CONFERENCE AGENDA



CONVERGE

2015 USER CONFERENCE

OCTOBER 5-9 RICHARD CHILDRESS RACING WELCOME, NC

#CONVERGEUC2015



PRESENTATION SCHEDULE DETAIL

TUESDAY, OCTOBER 6



* On Tuesday the RCR Museum will remain open until 6p for conference attendees.

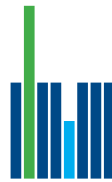
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TotalCAE is the IT department for engineers. TotalCAE sells fully managed turn-key High Performance Computing (HPC) cluster appliances including all engineering applications installed and fully managed by our expert consultants. As a one-stop shop for all of your engineering IT needs, we manage both your on-premise engineering applications, licenses, and hardware, as well as public and private HPC cloud solutions for your engineers.

TotalCAE also provides Linux consulting, visualization, big data solutions, job scheduling consulting, HPC web portal scripting, CAE backup solutions, CAE benchmarking, GPU consulting, CAE license reporting and optimization, and other IT services specifically tailored for engineering departments.



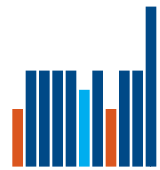
WEDNESDAY, OCTOBER 7



MORNING

	7:30 – 8:00	REFRESHMENTS
8AM	8:00 – 8:25	CONVERGE in Europe Chris Riley, <i>Convergent Science</i>
	8:25 – 9:10	KEYNOTE Why You Should Believe the Simulation Eric Fluga, <i>Caterpillar</i>
9AM	9:10 – 9:35	3D Combustion CFD Using Converge: FCA Applications Haiwen Ge, <i>Fiat Chrysler Automobiles</i>
	9:35 – 10:00	Application of High Performance Computing for Simulating Cycle-to-cycle Variation in Dual Fuel Combustion Engines Roy Primus, <i>General Electric</i>
10AM	10:00 – 10:15	BREAK
	10:15 – 10:40	Predictive Turbulent Combustion Modeling and Tabulated Auto-Ignition for Diesel Engine CFD Simulation Antonio Pires da Cruz, <i>IFP Energies nouvelles</i>
	10:40 – 11:05	Soot Modeling with the PSM Model in a Diesel Engine: Results and Discussion Frederic Ravet, <i>Renault</i>
11AM	11:05 – 11:30	Combustion System Optimization with CONVERGE Clément Dumand, <i>PSA Peugeot Citroën</i>
	11:30 – 12:30	LUNCH + TOURS <i>Richard Childress Racing</i>
12PM		Immerse yourself in racing with a behind-the-scenes look at the Richard Childress Racing facility. The 20-minute tour will take you from frame to finish and include a look at how the pit crews train to stay race ready week after week.

AFTERNOON / EVENING



	12:30 – 12:45	SPONSOR: Rescale
	12:45 – 1:10	Case Studies from Japanese CONVERGE Users Masatoshi Ishikawa, <i>IDAJ</i>
1PM	1:10 – 1:35	Global Sensitivity Analysis of Diesel Engine Simulations Yuanjiang Pei, <i>Argonne National Laboratory</i>
	1:35 – 2:00	Combustion and Emission Modeling in CONVERGE with LOGE Models Corinna Netzer, <i>Loge Deutschland GmbH</i>
2PM	2:00 – 2:25	Analysis of the Gasoline PPC Concept in a Poppet Valve 2-stroke HSDI CI Engine by Combining Experimental and CFD Modeling Activities Ricardo Novella, <i>CMT-Motores Térmicos</i>
	2:25 – 2:45	BREAK
	2:45 – 3:10	Uniformity Study of a Large SCR Urea After-Treatment System Xiao Fu, <i>Electro-Motive Diesel</i>
3PM	3:10 – 3:25	SPONSOR: TotalCAE
	3:25 – 3:50	Engine Valve Temperature Prediction Using CONVERGE Ben Cantrell, <i>Caterpillar</i>
	3:50 – 4:15	Obtaining Flame Statistics from Large Eddy Simulation of Reacting Spray Flames Muhsin Ameen, <i>Argonne National Laboratory</i>
4PM	4:15 – 5:00	Roundtable Discussion <i>Convergent Science</i>
5PM	6:30 – 10:00	FOOTHILLS BREWING CO. + LIVE BLUEGRASS MUSIC <i>Winston-Salem, NC</i>
		<i>Bus leaves at 6:00pm. Please see pg. 10 for more information about transportation to and from the event.</i>

PLATINUM SPONSOR

Penguin Computing's POD (Penguin Computing on Demand) is a public HPC Cloud service that provides on-demand, high-performance supercomputing capabilities on a pay-as-you-go, or dedicated, basis with no minimum charges. POD provides the convenience of the cloud with security and the power of HPC bare-metal, InfiniBand connected nodes, plus a simple billing model and free technical support. A 3D remote visualization option is available for post-processing,

accelerating your time to results by eliminating long download times. POD removes the complexity and high costs out of cloud computing while offering a secure and reliable solution for **CONVERGE** users.

