# ESI's 3rd OpenFOAM User Conference will take place October 19-21 in Stuttgart, Germany

## Applying the world's favorite open-source CFD code to industrial product development

**Paris, France – October 13, 2015 – ESI Group, pioneer and world-leading solution provider in Virtual Prototyping for manufacturing industries, announces the third OpenFOAM User Conference. Scheduled in Stuttgart on October 19-21, 2015, the event will bring together the global OpenFOAM community to hear about the latest OpenFOAM developments and to share best practices. ESI, who acquired OpenCFD Ltd. in 2012, continues to enhance the world's most popular open-source CFD code to enable efficient product development, at an industrial scale. In addition to providing information on software updates, elaborated by the ESI-OpenCFD team, the Conference features many customer presentations, including from longtime ESI customer Volkswagen, and a third day dedicated to hands-on training.**

OpenFOAM is a free, open source CFD software package developed by ESI-OpenCFD and other participants in the global OpenFOAM community. It has a large user base in both commercial and academic organizations and addresses needs in most areas of engineering and science. OpenFOAM has an extensive range of features that address anything from complex fluid flows involving chemical reactions, turbulence and heat transfer, to solid dynamics and electromagnetics. Being open, OpenFOAM offers users complete freedom to customize and extend its existing functionality, either by themselves or through support from ESI-OpenCFD and other vendors in the OpenFOAM ecosystem.

For each of the two previous Conferences in Frankfurt and Berlin, over 250 participants gathered from around the world to discuss their usage of OpenFOAM. This year, ESI again invites all OpenFOAM enthusiasts to join the global OpenFOAM community to share experience and ambition and to participate in the training offered by ESI-OpenCFD.

The agenda of the third OpenFOAM User Conference offers a combination of plenary sessions with exciting keynotes, and parallel tracks addressing the particular needs of various industry sectors: Automotive, Transportation, Aerospace, Chemical Processing, Energy & Power, Electronics, Consumer Goods, and Machinery. Additional tracks will focus on OpenFOAM technology and Cloud computing and will provide hands on training on ESI's newly available end-to-end web-based OpenFOAM solution.

Keynote speakers include **Prof. Michael Strelets** from St.-Petersburg Polytechnic University presenting a paper entitled *"Detached Eddy Simulation: History and Future"* (Co-Author: P.R. Spalart, Boeing Commercial Airplanes). **Dr. Gerd Rapin**, Volkswagen Aktiengesellschaft, will expose *"OpenFOAM at Volkswagen: Experiences, Challenges and Requirements"*, and **Dr.**

**Christian Kunkelmann**, BASF SE, will present *"CFD for Chemical Engineering - Benefits & Challenges"*.

ESI is delighted to welcome presentations from many OpenFOAM users, including the following organizations: ABB Inc., Atizar Ltd., Augusta Westland, Bauknecht/Whirlpool, BASF, BMW, CEA, CFD Software Entw.- und Forschungs GmbH, Delft University, Deutsches Biomasseforschungszentrum, ENGYS, DHCAE Tools, IDEEL, Intel Corporation, Faurecia, Helmholtz-Zentrum Dresden, HPC Advisory Council, MAHLE Behr, Manipal Institute of Technology, Mercedes-Benz R&D, Robert Bosch, Singapore Institute of High Performance Computing, Stuttgart University, Tata Consultancy Services, The UberCloud, TXT e-solution, University of Florence, University of Rostock, Volkswagen, Von Karman Institute, Wikki Ltd., and many more…

During the Conference, an exhibition area will welcome solution providers BETA CAE, CAE Solutions, CEI, DHCAE Tools, ENGYS, Friendship Systems and Transtec. We also gratefully acknowledge Intel as sponsor for the Intel Best Presentation Award.

On the third day, ESI will offer several training courses supporting the user community: Tips and Tricks, GUI environment, and Meshing in OpenFOAM.

**More info**: Complete event info can be found at www.esi-group.com/openfoam2015

**Results of ESI's OpenFOAM student paper competition:**
ESI would like to congratulate the winner of OpenFOAM student paper competition: **Awadh Kapoor** from Manipal Institute of Technology, Manipal University with the topic: *"Investigation of Thin-Film and Lagrangian Models in OpenFOAM to simulate Wing-Mirror Soiling"*. This student paper was chosen from a strong contingent of submissions and shortlist of five.

For more ESI news, visit www.esi-group.com/press

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## About ESI Group

ESI is a world-leading provider of Virtual Product Engineering software and services with a strong foundation in the physics of the materials of which products are built.

Founded over 40 years ago, ESI has developed a unique proficiency in helping industrial manufacturers replace physical prototypes by virtually replicating the fabrication, assembly and testing of products in different environments. Virtual Prototyping enables ESI's clients to evaluate the performance of their product, and the consequences of its manufacturing history, under normal or accidental conditions. By benefiting from this information early in the process, enterprises know whether a product can be built, and whether it will meet its performance and certification objectives, before any physical prototype is built. To enable customer innovation, ESI's solutions integrate the latest technologies in high performance computing and immersive Virtual Reality, allowing companies to bring products to life before they even exist.

Today, ESI's customer base spans nearly every industry sector. The company employs about 1000 high-level specialists worldwide to address the needs of customers in more than 40 countries. For further information, visit www.esi-group.com.

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