

XFlow User Conference

Preliminary Agenda

October 2-3, 2017 • Madrid, Spain

Time	Session	Speaker	Title
8:30 - 9:00 am	Arrival and Registration		
9:00 - 9:30 am	Welcome	David Holman , XFlow General Manager Colin Mercer , SIMULIA R&D VP	Welcome Words and Overview of Dassault Systèmes SIMULIA
9:35 - 10:15 am	Keynote	Airbus Jose Luis Martinez-Muñoz, Projects Engineer	Aircraft preliminary design with XFlow
10:20 -10:40 am	Expert session	ANDHEO Tristan SOUBRIE, CEO	Impact of helicopter rotor head turbulent wake on tail parts
10:45 - 11:10 am	Break		
11:15 -11:35 am	Expert session	AISIN AW Takeshi Yamaguchi, Engineering Dep. CAE Gr.	Simulation of the flow field in a rotating single gear using immersed boundary method
11:40 - 12:00 am	Expert session	INES Ingenieros José Luis Martínez, Civil Engineer	CFD Aided Analysis of Structural Forces in Caleido Tower, Madrid
12:05 - 12:25 pm	Expert Session	Delta ES Young S. Won, CEO	
12:30 - 2:00 pm	Lunch Time		
2:05 - 2:45 pm	Keynote	Safran Helicopter Engines Pascal Mingret, Fuel Pump Expert Engineer	External and internal gear pumps analysis of a helicopter engine
2:50 - 3:20 pm	Expert session	Universidad Politecnica de Madrid (UPM) Presenter 1: Esteban Ferrer Presenter 2: Noelia Llorente	Presentation 1: Simulation of detached turbulent flows using XFlow Presentation 2: CFD simulation of sieve tray hydraulics using the Lattice Boltzmann Method
3:20 - 3:35 pm	Sponsor Session	Gompute Iago Fernández, Cloud Sales Director	
3:40 - 4:05 pm	Break		
4:10 - 4:30 pm	Expert Session	Eviation Omer Bar-Yohay, CEO	
4:35 - 4:55 pm	XFlow Technology	Dassault Systèmes Ruddy Brionnaud, Lead XFlow Application Engineer	XFlow 2017 Build 102, new features and Improvements
5:00 PM	End Day 1		
8:00 PM	Gala Dinner		

Time	Session	Speaker	Title
8:30-9:00	Arrival		
9:00 - 9:40 am	Keynote	The Ocean Cleanup Benedicte Dommergues, Computational Modeler	CFD as a tool to design a plastic cleanup system - Impact of the geometry of a drift anchor on the flow around it and on its drag
9:45 - 10:05 am	Expert session	Luc Van Bavel Inc. Luc Van Bavel, CEO	Aircraft rigid body dynamics validation case study
10:10 -10:30 am	Expert session	Toyota Tom Shieh	
10:35-11:00 am	Break		
11:05 -11:25 am	Expert session	Soyotec Max Lee	
11:30 - 11:50 am	Expert Session	Safran Helicopter Engines Marine Robin, Hydromechanics Engineer	Analysis of the secondary air system of a helicopter engine
11:55 - 12:15 pm	Expert session	Jac Van Egmond MVAero, Lead Aerodynamicist	How XFlow improved my conceptual understanding of aerodynamics
12:30 - 2:00 pm	Lunch Time		
2:05 - 2:45 pm	Keynote	Honda Keiji Koide Assistant Chief Engineer	Introduction of engine development use case for the purpose of improving CFD efficiency
2:50 - 3:10 pm	Expert session	BETTERFLOW Ingo Martin	
3:15 - 3:30 pm	Sponsor Session	ITER (Teide HPC) Jonatán Felipe	
3:35 - 4:00 pm	Break		
4:05 - 4:25 pm	Expert Session	Gridlab Dr. Herman Maier, Managing Director	Mixing tank modelling with XFlow
4:30 - 4:50 pm	XFlow Technology	Dassault Systèmes Giuseppe Trapani, XFlow Application Engineer	XFlow live demonstration
5:00 PM	End Day 2		

XFlow User Conference

Preliminary Agenda

October 4, 2017 • Madrid, Spain

Time	Session	Content
8:30 - 9:00 am	Arrival and Installation	
9:00 - 9:30 am	Introduction	Workshop Introduction and XFlow Overview
9:30 - 10:00 am	Lecture 1	Single-Phase Flow
10:00 - 11:00 am	Case 1	External aerodynamics analysis of a DrivAer car model
11:00 - 11:25 am	Break	
11:30 - 12:00 am	Lecture 2	Fluid-Structure Interaction (FSI)
12:00 - 13:00 pm	Case 2	UAV quadcopter performance with rotating blades
13:00 - 2:30 pm	Lunch Time	
2:30 - 3:00 pm	Lecture 3	Free-surface Flow
3:00 - 4:00 pm	Case 3	Free-surface tracking in a tank sloshing analysis
4:00 - 4:30 pm	Lecture 4	Multiphase Flow
4:30 - 5:30 pm	Case 4	Gearbox lubrication analysis with real moving gears
5:30 - 6:00 pm	Q & A	
6:00 AM	Workshop End	