CFD for Combustion SAFETY

One day workshop at CERFACS : 21/03/2023

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Session 1: Industrial Needs — 9h – 10h45

• Y. Sommerer	*Airbus*	9h – 9h15
• C. Kehl ?	*Alstom*	9h15 – 9h30
• M. Leyko	*SAFT*	9h30 – 9h45
• A. Dutertre	*TotalEnergies*	9h45 – 10h
• B. Labegorre	*Air Liquide*	10h – 10h15
• V. Blanchetière	*GRTgaz*	10h15 – 10h30
• N. Mechitoua	*EDF*	10h30 – 10h45

Coffee Break: Poster Session 1 — 10h45 – 11h15

Session 2: Simulation for Safety | Explosions — 11h15 – 12h35

• Q. Douasbin CERFACS	Simulation of explosions	11h15 – 11h35
• O. Dounia CERFACS	*Flame inhibitors*	11h35 – 11h55
• T. Livebardon AIRBUS	*The STOHYC project: H_2 safety for aircrafts*	11h55 – 12h15
• T. Poinsot IMFT/CERFACS	*Turbulent combustion models for H_2*	12h15 – 12h35

Lunch Break: Poster Session 2 — 12h35 – 14h

Session 3: Simulation for Safety | Jets and Walls — 14h – 15h20

• A. Cellier CERFACS	*Li-Ion battery fires*	14h – 14h20
• L. de Nardi CERFACS	*Flame transmission through holes*	14h20 – 14h40
• L. Gallen AIRBUS	*Supersonic jet flames impinging on walls*	14h40 – 15h
• N. Dellinger ONERA	*Response of composite walls to flames*	15h – 15h20

Coffee Break: Poster Session 3 — 15h20 – 16h

Session 4: Experimental Validations and Databases — 16h – 17h20

• E. Studer CEA	H_2 explosions and fires	16h – 16h20
• M. Bellenoue P'	*Experiments on battery fires*	16h20 – 16h40
• N. Chaumeix ICARE	*Explosions*	16h40 – 17h
• G. Leplat ONERA	*Free fires and torches*	17h – 17h20

PROGRAM 2023