



28th CATHARE User's Club - June 16-17, 2022 - Paris, France

DAY 1

8:45 - Registration – Breakfast

9:15	Welcome	CEA	CEA/STMF
9:30	CATHARE news & future prospects	G. Mauger	CEA/STMF
10:00	The use of CATHARE for Safety Studies at EDF – status and perspectives	J-L. Vacher	EDF/DT

10:30 - Break

11:00	CATHARE activities at EDF R&D and evaluation of new functionalities	T. Prussek N. Sobocki	EDF/R&D
11:30	IRSN activities using CATHARE system code	A. Lejosne	IRSN
12:00	Overview of CATHARE applications at Framatome	O. Czarny G. Parente	FRAMATOME

12:30 – Lunch

14:00	Development of the new 3D module for new uses	G. Mauger	CEA/STMF
14:30	R&D activities at Bel V using CATHARE code	A. Salah	Bel-V
15:00	Applications of the CATHARE3 3-D model at DER/SESI	M. Belliard P. Olita	CEA/SESI

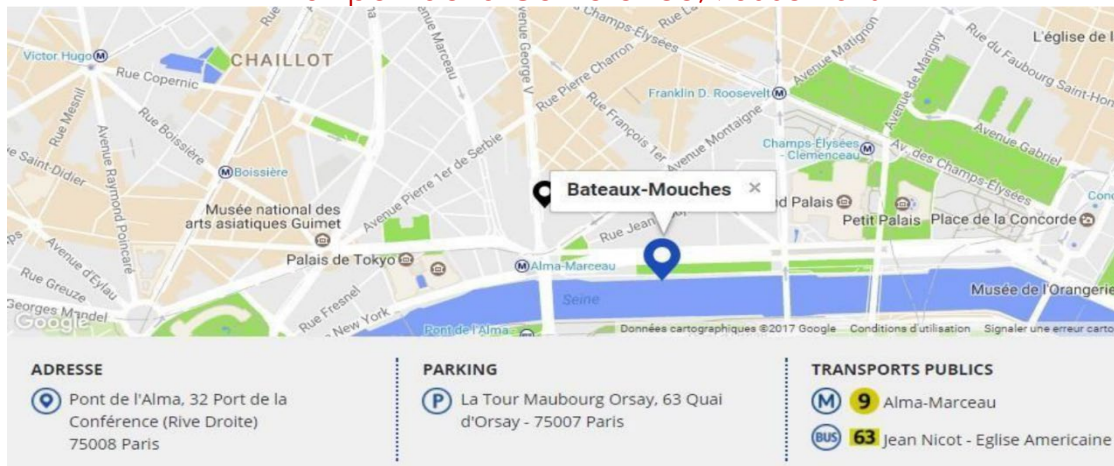
15:30 – Break

16:00	New physical models in CATHARE 3 and R&D strategy	S. Carnevali J-M. Labit	CEA/STMF
16:30	METERO-V : Test programme and prospects for improvement of CATHARE 3	C. Melin F. Guillou	CEA/STMF

17:00 Adjour

20h00 Welcome for the Dinner of the 28th CATHARE User's Club for people already registered on https://cathare.cea.fr/Pages/News/CUC/CUC_2022.aspx

32 port de la Conférence, 75008 Paris





DAY 2

8:45 – Breakfast

9:00	DRACCAR using thermal-hydraulic CATHARE 3: Overview of the code capabilities to estimate rods behavior during a LOCA	T. Glantz G. Guillard	IRSN
9:30	Overview of numerical simulation activities with CATHARE code in the European project H2020 PASTELS	M. Montout I. Gomez	EDF / CEA
10:00	ENEA activities with CATHARE	M. Polidori C. Lombardo	ENEA

10:30 - Break

11:00	Overview of CATHARE activities in simulator at EDF/DT	D. Pialla	EDF/DT
11:30	CATHARE code and TECHNICATOME's Simulators From basic design to operation	J-L. Nouet T. Germier	TECHNICATOME
12:00	Work on a candidate to replace the current Sodium Fast Reactor simulator SIRENA with a CATHARE3 based solution	L. Matteo	CEA/SESI

12:30 - Lunch

14:00	The latest gas-cooled fast reactor developments at EK	G. Mayer	EK
14:30	Optimization of the Emergency Core Cooling System of ALLEGRO demonstrator	B. Kvizda	VUJE
15:00	Validation of CATHARE3 for the Fast Flux Test Facility SFR with chained multiphysics	S. Bajard S. Li	CEA/SESI

15:30 - Break

16:00	Use of CATHARE in support of CFD studies on water wall phenomena in future SMRs	A. De Angelis	Univ. of Pisa
16:30	H2 Propulsion Model for the End-of-life Maneuver on ARIANE flight VA256 (JWST mission)	C-H. Bachelet J. Recouly	ARIANE GROUP

17:00 Conclusion - End of CUC



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PARIS
2022

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