

FROM RESEARCH TO INDUSTRY



**27th CATHARE
User's CLUB
Paris,
June 12th to 13th 2018**

WELCOME

CATHARE TEAM

www.cea.fr

framatome



IRSN
INSTITUT
DE RADIOPROTECTION
ET DE SÛRETÉ NUCLÉAIRE

DAY 1

8:30 - Welcome – Breakfast

9:00	Introduction to the CUC	CEA
9:30	CATHARE 3 - Present and future of the system code	A. Mekkas CEA
10:00	New physical models in CATHARE and R&D strategy	Ph. Fillon CEA

10:30 - Break

11:00	CATHARE 3D module applications	R. Prea CEA
11:30	Experimental program on CORE thermalhydraulics	D. Bestion CEA
12:00	Using SALOME to compute the fluid/structure geometric properties for CATHARE 3D module input deck.	S. Carnevalli, C. Bourcier CEA

12:30 - Lunch

14:00	Overview of CATHARE applications at EDF	EDF
15:00	Application of CATHARE-2 and CATHARE-3 in NCBJ-	M.Spirzewski NCBJ

15:30 - Break

16:00	ALLEGRO thermal hydraulic benchmark.	B. Kvizda VUJE, a.s
16:30	CATHARE calculations of the ALLEGRO reactor at MTA EK	Gusztáv Mayer MTA EK
17:00	Use of CATHARE at IRSN with a focus on the post Fukushima operation strategy on French PWR -	IRSN

18:00 Adjourn

DAY 2

8:30 - Welcome – Breakfast

9:00	Overview of CATHARE applications at FRAMATOME	FRAMATOME
9:30	CATHARE 2 / DIAGRAM coupling for simulation of complex I&C functions; application to ASTRID / Control of Gas Energy Conversion System	FRAMATOME
10:00	CATHARE use at TechnicAtome - Validation of the ESCALE platform	A. Echkenazi, L. Sacco TechnicAtome

10:30 - Break

11:00	Bel V activities related to the use of CATHARE code	Bel-V
11:30	The use of CATHARE at ENEA.	M. Polidori et al. ENEA

12:00 – Lunch

14:00	CATHARE models on applications of Fast Neutron Reactors -	S. Bajard et al. – CEA
14:30	CATHARE applications for Pressurised Water Reactors"	E. Stratta et al. - CEA
15:00	Recent CATHARE-3 functionalities: single phase model, use of REFPROP Equation Of State, wall roughness, Idel’Cik pressure drop ...	G. Mauger CEA

15:30 - Break

16:00	Development and validation of a one-dimensional transient rotodynamic pump model at component scale	L. Matteo et al. - CEA
16:30	Coupling of CATHARE and NEPTUNE_CFD: Status and Roadmap	C. Geffray CEA
17h00	Conclusions of the CUC	CATHARE team

17:30 : END OF CUC

THE DINNER OF THE 27TH CATHARE USER'S CLUB, PARIS, JUNE 12TH 2018

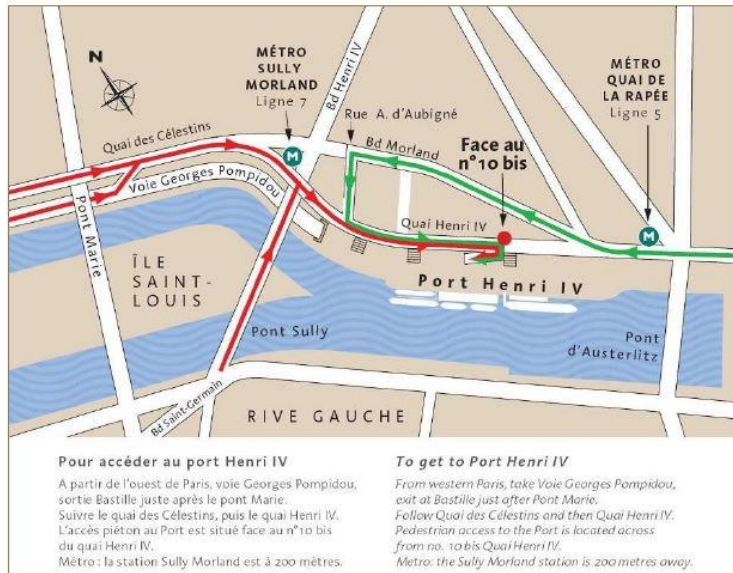


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By metro : RER B → Châtelet -Les Halles
L7 → Sully Morland

Or : RER B → Saint-Michel Notre-Dame
→ 20mn walk (by Notre Dame)

Coordonnées GPS 48° 50' 54" N - 2° 21' 48" E
Rive droite - entre le pont de Sully et le quai de la rapée
Métro L7 : Sully Morland, L5 : Quai de la Rapée

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