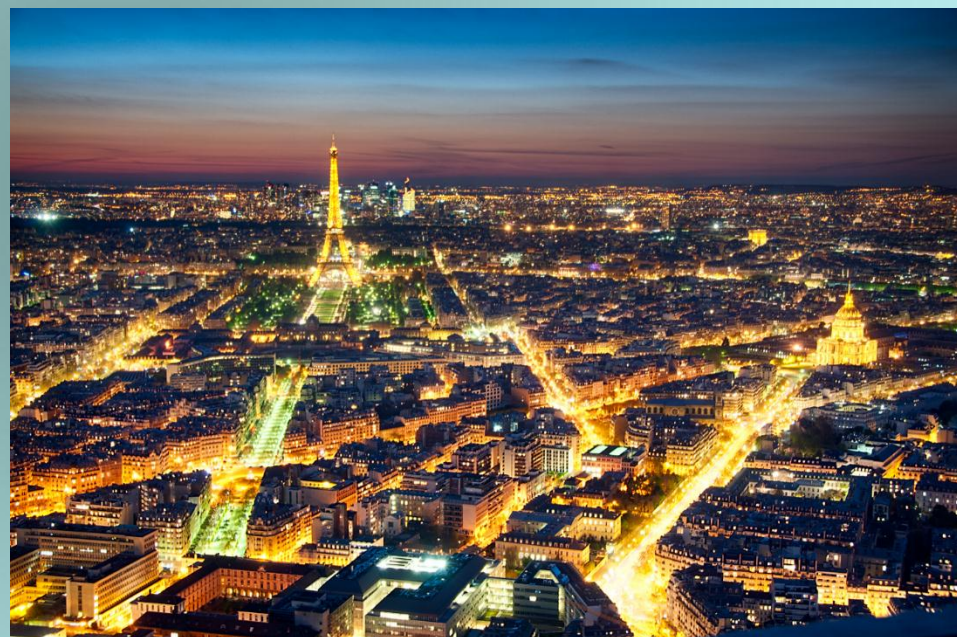


FROM RESEARCH TO INDUSTRY

cea



**26<sup>th</sup> CATHARE Users'  
CLUB  
Paris,  
October 5<sup>th</sup> to 7<sup>th</sup> 2015**



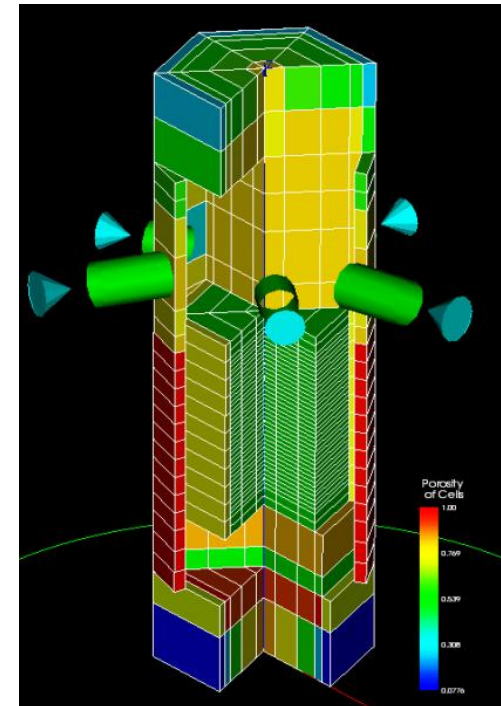
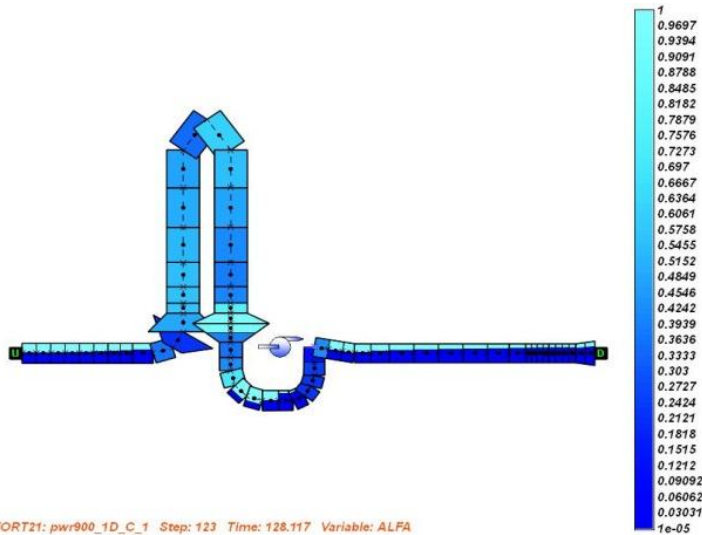
[www.cea.fr](http://www.cea.fr)



**The CUC is the opportunity**

For all the users, to show their works on various applications and to share experience on the CATHARE code

For the CATHARE team, to better know the range of multi-uses of the code and to help users in the code handling



No fees for CATHARE licensed users

Transportation, hotel and accommodations fees not supported

At la brasserie LA COUPOLE 102 boulevard du Montparnasse, Paris XIVe,  
<http://www.lacoupole-paris.com>

- Technical sessions,
- Demo of use of CATHARE in EDF and IRSN simulators
- Cafe breaks, Lunches


Gala dinner in a typical "parisien" restaurant (L'Auberge du Moulin Vert)

Proposed hotels :

- Hotel Edgar Quinet : 17 boulevard Edgar Quinet, Paris XIVe, <http://www.edgarquinethotel.com>
- Hotel Odessa Montparnasse, 28 rue d'Odessa, Paris XIVe, <http://www.hotel-odessa.com>



14h	• <i>Welcome and registration</i>
14h15	• Introduction, CEA
14h30	• 0-The CATHARE code (versions, maintenance, delivery and documentation), Mr Garcin and Mr Ruby, CATHARE team
15h00	• 1a-The V&V&Q process in the CATHARE code, Mr Dufeil, CATHARE team • 1b-New physical models in CATHARE, Mr Fillion, CATHARE team • 1c-The GUI for CATHARE : Selected new and future functionalities, Mr Tajchman, CATHARE team
16h00	• <i>Break</i>
16h30	• 2-Validation and assessment of CATHARE code, Mr Lutsanych, University of Pisa, Italy
17h00	• 3-Simulation of 6-inch break LOCA accident in EPR using RELAP5 and CATHARE, Mr Mazgaj, WUT, Poland
17h30	• 4-ENEA activities with CATHARE code, Mr Polidori, Italy
18h00	• 5-Use of CATHARE at BARC, Mr Srisvatava, India
18h30	• <i>Adjourn</i>

9h	<ul style="list-style-type: none"><li>•6-MTA EK, Hungary</li><li>•CATHARE Activity at EK in OECD ATLAS Project, Mr Takacs</li><li>•Current Status of ALLEGRO Transient Analysis , Mr Mayer</li></ul>
9h30	<ul style="list-style-type: none"><li>•7-Preliminary safety analyses for ALLEGRO using CATHARE2 and RELAP5 code, Mr Kvizda, VUJE</li></ul>
10h00	<ul style="list-style-type: none"><li>•8-Numerical analysis of the initial phase of a severe accident with failure of spent fuel storage pool cooling system, Mr Melnikov, NRC Kurchatov Institute, Russia</li></ul>
10h30	<ul style="list-style-type: none"><li>•Break</li></ul>
11h00	<ul style="list-style-type: none"><li>•9-Use of CATHARE at Bel V in the frame of the OECD (PKL2 and et PREMIUM), Ms Sarrette and Mr Bousbia Salah, Belgium</li></ul>
11h30	<ul style="list-style-type: none"><li>•10-Use of CATHARE at IAEC and ROTEM INDUSTRIES LTD., Mr Gitelman, Israel</li></ul>
12h00	<ul style="list-style-type: none"><li>•11-Use of CATHARE at NCBJ, Mr Machtyl, Poland</li></ul>
12h30	<ul style="list-style-type: none"><li>•Lunch</li></ul> 

14h30

•12-Unprotected flow blockage accident in industrial LFR with CATHARE 2, Mr Mladin, Nuclear Research Pitesti (ICN), Romania

15h00

•13-Dimensioning with CATHARE of a Pressure Suppression System of the Port Plug Test Facility, ITER.org and CS-SI

15h30

•14-Use of CATHARE at SNECMA (COMETE project), Mr DURI, France

16h00

• *Break*

16h30

•15-ASTRID Safety Transient Analysis with CATHARE 2, Mr Lavastre, CEA, France

17h00

•16-Use of CATHARE in the frame of the ASTRID project, Mr CHAZOT, AREVA-NP, France

17h30


•17-Use of CATHARE at AREVA-TA (NP and experimental reactors), Mr SACCO and Mr ERARD, France

18h10

• *Adjourn and at 20h30 [The dinner of the 26th CATHARE User's Club, Paris, Octob...](#)*





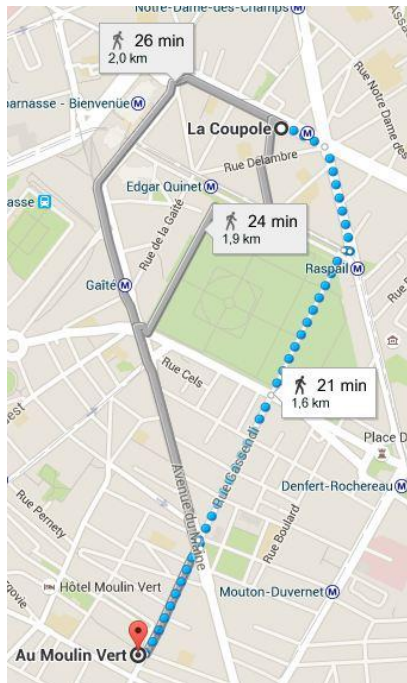
9h	•18-Modeling Latent Heat Thermal Energy Storage with CATHARE, Mr Pouvreau, CEA, France
9h30	•19a-General Overview of CATHARE Use at EDF, Mr Vacher, •19b-Use of CATHARE 2 at EDF for new simulation tools, Mr Pialla
10h00	•20-Use of CATHARE at AREVA-NP, France
10h30	•Break
11h00	•21-Use of CATHARE at IRSN with a focus on CATHARE/DRACCAR coupling, Mr Tregoures, France
11h30	•22-Coupling CATHARE2 and APOLLO3 using ICoCo, Mr Gorsse, CEA, France
12h00	•23-Main conclusions of the club (use of the code, requests of users, futures versions of CATHARE and GUTHARE, discussion and remarks)
12h30	•Lunch 
14h30	•End of CUC



## L'Auberge du Moulin Vert, un écrin de verdure, à deux pas de Montparnasse

L'Auberge du Moulin Vert (<http://www.aumoulinvert.com>)  
34 bis rue des Plantes – 75 014 Paris

Métro : ligne 4 (station : Alésia) et ligne 13 (station : Plaisance or Pernety)  
Tramway 3a (station : Jean Moulin)  
Bus : 62 et 58  
Parking Alésia (rue du Maine)





**Hotel Edgar Quinet**

7 boulevard Edgar Quinet, Paris XI<sup>ve</sup>

<http://www.edgarquinethotel.com>

Tel : +00 33 (0)1 43 20 63 15

Fax: +00 33 (0)1 43 21 87 12

[info@edgarquinethotel.com](mailto:info@edgarquinethotel.com)

**Hotel Odessa Montparnasse**

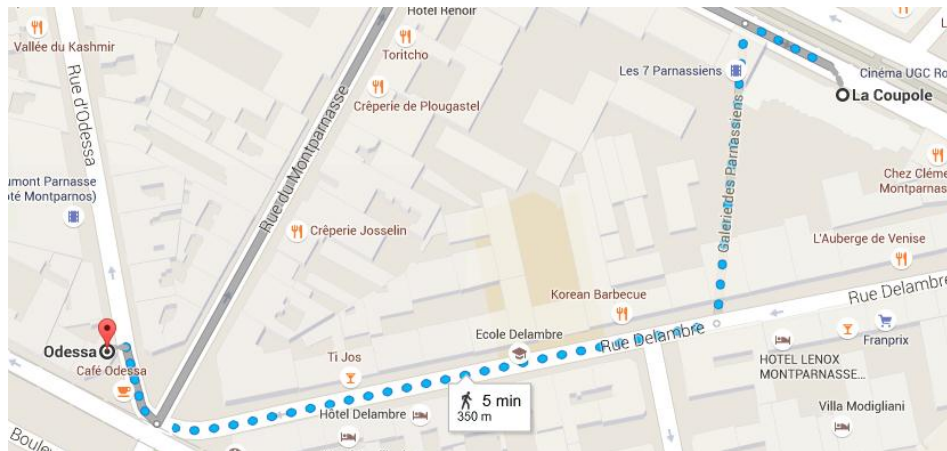
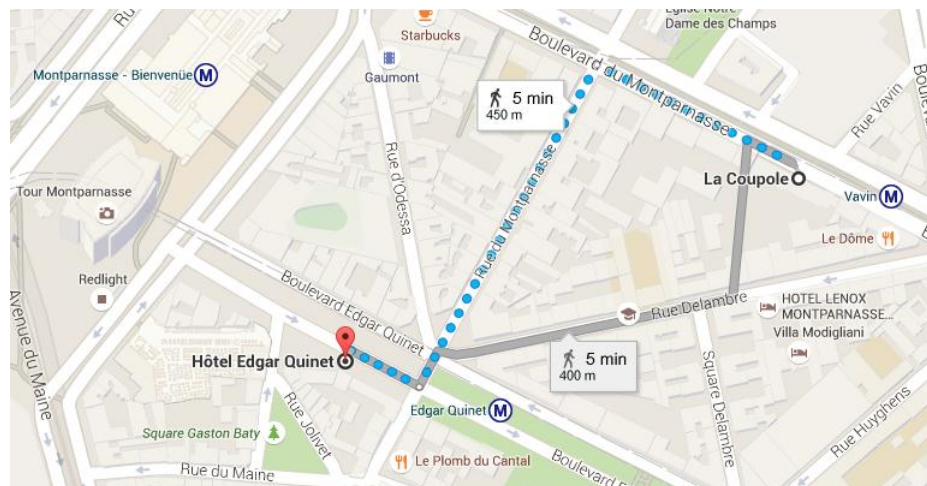
28 rue d'Odessa, Paris XI<sup>ve</sup>

<http://www.hotel-odessa.com>

Tél : + 00 33 (0)1 43 20 64 78

Fax : + 00 33 (0)1 42 79 90 71

[reception@hotel-odessa.com](mailto:reception@hotel-odessa.com)



---

Commissariat à l'énergie atomique et aux énergies alternatives  
Centre de Saclay | 91191 Gif-sur-Yvette Cedex  
T. +33 (0)1 XX XX XX XX | F. +33 (0)1 XX XX XX XX

DEN  
DM2S  
STMF

Etablissement public à caractère industriel et commercial | RCS Paris B 775 685 019