

**jeudi 17 novembre 2011**

8h00	<b>Accueil</b>	
8h45	Introduction C. Bérat et P. Millan ( <i>Amphi</i> )	
	<b>Session 1.1 - Atomisation et coalescence P. Villedieu</b>	<b>Session 2.1 - Nouvelles technologies D. Veynante</b>
9h15	2011-111: E. Villermaux, <i>The formation of filamentary structures from molten silicates : Pele's hair, Angel hair, and blown Clinker</i>	2011-211: C.O. Laux, D.A. Lacoste, G. Pilla, G.D. Stancu, D.Z. Pai, S. Barbosa, D. Veynante, <i>A review of current progress in the stabilization by plasma of lean premixed flames</i>
9h35	2011-112: F. Doisneau, A. Murrone, J. Dupays, F. Laurent, M. Massot, <i>Unsteady two-way coupled simulation of polydisperse coalescing two-phase flows : application to alumina particles in solid propellant combustion</i>	2011-212: J. Burguburu, G. Cabot, B. Renou, M. Boukhalifa et M. Cazalens, <i>Stabilisation par recirculation de gaz brûlés dans un Trapped Vortex Combustor</i>
9h55	2011-113: D. Zuzio, P. Villedieu, J.-L. Estivalezes, G. Blanchard, <i>Numerical simulation of primary and secondary atomization</i>	2011-213: C.Lempereur, S.Guérin, P.Brevet, <i>Automation of thermal paints analysis for temperature measurements on engine components</i>
10h15	2011-114: M. Boukra, A. Strzelecki, P. Gajan, E. Ducasse, T. Noël, <i>Atomization of a liquid film subjected to an external forcing</i>	2011-214: Y. Méry, L. Hakim, P. Scoufflaire, S. Ducruix, S. Candel, <i>Experimental study on cryogenic flames under transverse acoustic modulations</i>
10h35	<b>Pause</b>	
	<b>Session 1.2 - Écoulements diphasiques B.Cuenot</b>	<b>Session - 2.2 Acoustique 1/2 T. Pevergne</b>
10h55	2011-121: A. Vié , F. Laurent, M. Massot, <i>A high order moment method for the simulation of polydisperse two-phase flows</i>	2011-221: I. Duran, M. Leyko, S. Moreau, F. Nicoud, T. Poinsot, <i>Methodology to compute combustion noise combining Large Eddy Simulations with analytical models for the propagation of acoustic and entropy waves through fixed and rotating turbine blades</i>
11h15	2011-122: S. Marty, J.-P. Matas, A. Cartellier, <i>Etude d'une couche de mélange liquide gaz : instabilité de cisaillement et taille de gouttes produites</i>	2011-222: J. Richard, F. Nicoud, <i>On the importance of fluid structure interaction on the aeroacoustic instabilities of the Ariane 5 SRM</i>
11h35	2011-123: A. Vincent-Randonnier, C. Brossard, N. Fdida, P. Keizer, P. Thobois, N. Bertier, D. Gaffié, <i>Expérimentations à caractère multi-physiques sur le banc de combustion EPICTETE de l'ONERA</i>	2011-223: F. Richecoeur, T. Schuller, A. Lamraoui, S. Ducruix, <i>Analytical and experimental investigations of a swirled burner acoustics featuring upstream perforates</i>
11h55	2011-124: J.-P. Matas, A. Cartellier, <i>Instabilité de flapping d'un jet liquide</i>	2011-224: S. Rahman, V. Giovangigli, <i>Modélisation et simulation numérique de la combustion instationnaire du Perchlorate d'Ammonium</i>
12h20	<b>Repas (Hall T2)</b>	
	<b>Session 1.3 - Évaporation G. Lavergne</b>	<b>Session 2.3 - Dynamique de flamme L. Selle</b>
13h40	2011-131: C. Desnous, A. Cartellier, N. Meyers, <i>Experimental investigation of explosive vaporization of C6F14</i>	2011-231: I. Hernandez, G. Staffelbach, T. Poinsot, J.C. Roman Casado, J.W.B. Kok, <i>LES and acoustic analysis of thermo-acoustic instabilities in a partially premixed model combustor</i>
14h00	2011-132: O. Rouzaud, C. Lempereur, F. d'Herbigny, F. Bismes, B. Savard, G. Lavergne, <i>Characterization of the evaporation behaviour of alternative fuels within ALFABIRD project</i>	2011-232: F. Lespinasse, F.Baillot, <i>Responses of a laminar premixed V-flame placed at any point from a velocity node to a pressure node in a high frequency transverse acoustic field</i>
14h20	2011-133: V. Bodoc, O. Rouzaud, G. Lavergne, <i>Large Eddy Simulation of a monocomponent evaporating spray in a heated and highly turbulent flow</i>	2011-233: F. Boudy, D. Durox, T. Schuller and S. Candel, <i>Unstable limit cycles featuring frequency heterodyning and nonlinear describing function analysis</i>
14h40	2011-134: P. Dunand, G. Castanet, M. Gradeck, F. Lemoine, <i>Heat transfers of droplets impinging onto a wall above the Leidenfrost temperature</i>	2011-234: P. Salas, L. Giraud, J. Muller, G. Staffelbach, T. Poinsot, <i>Stability of azimuthal modes in annular combustion chambers</i>
	<b>Session 1.4 - Combustion diphasique O. Vermorel</b>	<b>Session 2.4 - Acoustique 2/2 F. Nicoud</b>
15h05	2011-141: T. Providakis, L. Zimmer, P. Scoufflaire, S. Ducruix, <i>Characterization of the coherent structures in swirling flames stabilized in a two-staged multi-injection burner: influence of the staging factor</i>	2011-241: E. Motheau, F. Nicoud, T. Poinsot, <i>Accounting for mean flow effects in a zero Mach number acoustic solver through impedance boundary conditions</i>
15h25	2011-142: R. Lecourt, G. Linassier, G. Lavergne, <i>Detailed characterisation of a swirled air/kerosene spray in reactive and non reactive conditions downstream from an actual turbojet injection system.</i>	2011-242: P. Wolf, G. Staffelbach, L.Y.M Gicquel, T. Poinsot, <i>Large Eddy Simulation and acoustic studies of azimuthal thermoacoustic modes in annular combustion chambers</i>
15h45	2011-143: A. Bruyat, C. Laurent, O. Rouzaud, G. Lavergne, <i>Simulation of laminar flame propagation in a multicomponent droplet stream</i>	2011-243: A. Scarpato, S. Ducruix, T. Schuller, <i>A comparison of the damping properties of perforated plates backed by a cavity operating at low and high Strouhal numbers</i>
16h05	2011-144: L. Matuszewski, <i>Structures étirées transcritiques</i>	2011-244: D. Taieb, V. Moureau, <i>High resolution LES of multi-perforated plates</i>
16h30	Départ en bus pour le centre du Fauga Mauzac	
17h30	Visite des installations (LACOM, MERCATO, Propulsion)	
19h15	Apéritif et Repas au Moulin des Roches	

**vendredi 18 novembre 2011**

8h00	Accueil	
	<b>Session 1.5 - Suies et polluants</b> <i>J.-C. Laroya-Huguet</i>	<b>Session 2.5 - Allumage</b> <i>C. Viguier</i>
8h30	2011-001: G. Lecocq, I. Hernandez, D. Poitou, E. Riber, B. Cuenot, <i>Soot prediction by LES of complex geometry combustion chambers</i>	2011-251: A. Eyssartier, G. Hannebique, D. Barré, L.Y.M. Gicquel, B. Cuenot, <i>Ignition predictions on non-reacting LES: application and assessment on complex configurations</i>
8h50	2011-152: B. Franzelli, E. Riber and B. Cuenot, <i>Impact of the chemical description on Large Eddy Simulation of a lean partially premixed swirled flame</i>	2011-252: G. Hannebique, B. Cuenot, <i>Ignition probability from Lagrangian computations</i>
9h10	2011-153: N. Bertier, L.-H. Dorey, F. Dupoirieux, <i>Numerical simulations of pollutants formation in a multi-point combustion chamber</i>	2011-253: C. Cardin, B. Renou, G. Cabot, A. Boukhalfa, <i>Experimental Analysis of Laser-Induced Spark Ignition of Lean and Highly Turbulent Premixed Flames</i>
9h30	2011-154: Page, Méry, Noël, Godel, Courtet, <i>Forecast methods and certification process of pollutant emissions in aircraft engines</i>	2011-254: T. Agarwal, T. Providakis, L. Zimmer, <i>Time resolved diagnostics for the study of ignition in a two phase burner</i>
9h50	2011-155: G. Cottin, E. Laroche, N. Savary, <i>Modélisation thermique d'une paroi multi-perforée : Définition de lois de paroi</i>	2011-255: G. Linossier, A. Bruyat, P. Villedieu, N. Bertier, C. Laurent, O. Rouzaud, H. Verdier, R. Lecourt, G. Lavergne, <i>RANS and LES simulations of aircraft engine ignition</i>
10h10	Session Posters	
	2011-151: I. Hernandez, G. Lecocq, D. Poitou, E. Riber, B. Cuenot, <i>Computations of soot formation in ethylene/air counterflow diffusion flames and its interaction with radiation</i>	2011-006: J. Apeloig, F.-X. d'Herbigny, F. Simon, D. Sebbane, P. Gajan, <i>Influence of the acoustic boundary conditions on the behaviour of a liquid-fuelled flame forming downstream of a multipoint injector</i>
	2011-002: D. Paulhiac, E. Riber, B. Cuenot, A. Roux, <i>LES of the two-phase reacting flow in an aeronautical gas turbine</i>	2011-007: M. Ferrier, <i>Simulation RANS et LES d'un jet transverse dans un écoulement hyperenthalpique.</i>
	2011-003: M. Cordier, G. Cabot, B. Renou, A.M. Boukhalfa, <i>Laser-Induced spark ignition of premixed confined swirled flames</i>	2011-008: L. Vingert, G. Ordonneau, P. Hervat, S. Petitot, <i>First results of heat transfer measurements in a water-cooled combustor on the Mascotte facility</i>
	2011-004: A. Cuquel, D. Durox, T. Schuller, <i>Impact of flame base dynamics on the nonlinear frequency response of conical flames</i>	2011-009: M. Aguilar, <i>XPLORAIR: Take off and landing without rolling (TOLWIR)</i>
	2011-005: A. Bonhomme, L. Selle, T. Poinso, <i>Comparison of methods to obtain flame speeds and Markstein lengths from spherical flame experiments</i>	2011-010: P. Berthoumieu, P. Gajan, S. Chartier, <i>Etude expérimentale de l'influence de l'épaisseur d'air dans l'atomisation d'une nappe liquide cisailée par deux flux d'air.</i>
	<b>Session 1.6 - Codes de calcul</b> <i>T. Lederlin</i>	<b>Session 2.6 - Flammes et écoulements swirlés</b> <i>M. Cazalens</i>
10h50	2011-161: A. Dauptain, G. Friche, F. Duchaine, E. Riber, G. Dejean, T. Poinso, <i>Transferring Large Eddy Simulation tools from laboratories experts to industry users: a challenge for the INCA community</i>	2011-261: J.-F. Bourgo, J. Moeck, D. Durox, T. Schuller, S. Candel, <i>Impact of small geometrical modifications in a swirler design on the downstream flow dynamics</i>
11h10	2011-162: Quillatre, Vermorel, Poinso, <i>Tests of LES models used for gas turbines in a small scale venting chamber used for explosion studies</i>	2011-262: R. Garby, L. Selle, T. Poinso, <i>Large-Eddy Simulation of combustion instabilities in a variable-length combustor</i>
11h30	2011-163: M. Rochoux, B. Delmotte, S. Ricci, B. Cuenot, A. Trouvé, <i>Data assimilation applied to combustion</i>	2011-263: S. Hermeth, G. Staffelbach, L. Gicquel, T. Poinso, H. Krediet, W. Krebs, <i>LES and Flame Transfer Function measurement in a perfectly premixed swirled burner</i>
11h50	2011-164: R. Fransen, E. Collado Morata, F. Duchaine, N. Gourdain, L.Y.M. Gicquel, L. Vial, G. Bonneau, <i>Comparison of RANS and LES in high pressure turbines</i>	2011-264: J. P. Moeck, J.-F. Bourgo, D. Durox, T. Schuller, S. Candel, <i>Reconstruction of PVC-induced heat release rate perturbations from side-view imaging</i>
12h10	2011-165: D. Barré, M. Kraushaar, G. Staffelbach, V. Moureau, L.Y.M. Gicquel, <i>Compressible and incompressible LES of a swirl experimental burner</i>	2011-265: P. Auzillon, O. Gicquel, N. Darabiha, D. Veynante, B. Fiorina, <i>Large Eddy Simulations of an helicopter combustion chamber using F-TACLES</i>
12h30	Repas (Hall T2)	
13h50	T. Poinso & L. Gicquel	
	<i>Revue du HPC en combustion aux USA &amp; Japon (Amphi)</i>	
14h30	C. Guin & S. Ducruix	
	<i>Evolution des systèmes multipoints étagés : Analyse des principaux phénomènes physiques rencontrés</i>	
15h20	Table ronde	
	<i>Avenir et voie de recherche en combustion</i>	
16h30	Fin du Workshop	