

# SOLAR MEETINGS 2011 / Solar energy: building integration and ground stations - Which technologies ? Which issues ?

2<sup>ND</sup> EDITION

Special MENA countries

## DAY 1 - NOVEMBRE 29<sup>th</sup>, 2011

09:00 - 10:00	<b>Registration and welcome coffee</b>		
10:00 - 10:30	<b>WELCOME ADDRESS :</b> Senator <b>Jean-Pierre Vial</b> , CEO of Savoie Technolac® - <b>Representatives of MENA countries</b>		
10:30 - 12:30	<b>Keynote</b> <b>Solar energy: economic and energy-related benefits</b> Challenges and prospects in the world – an overview of the context in which the market moves: Incentive systems – cost – roadmaps French, European – Implication for the development of the industrial sector, how to meet the growing needs of countries in MENA ? J.P.Joly, INES - J.-L. Bal, SER - B. Leboullenger, MINEFI - L.Dumarest, AT Kearney - D.Zejli, CNRST Morocco - A.Cuomo, 3SUN		
12:30 - 13:30	<b>Lunch</b>		
13:30 - 15:00	<b>COMPANY PRESENTATION - Moderator : F.Charbit, Tenerdis</b>		
15:00 - 16:30	<b>SESSION "Module plans Si: the roadmap continues"</b> <b>Moderator: J.P Joly, INES</b> Crystalline Si – PV Technologies: keys to reducing costs and improving performance - key equipment for innovation in the Si manufacturing L.Georges, Applied Materials - Si crystallisation Y.Trouillot, ECM - technologies for high performance D.Munoz, INES/CEA - integration along the chain J.M. Auffret, Bosch Solar Energy	<b>SESSION "Solar thermal energy – component technologies : collectors, absorption machines"</b> <b>Moderator: P.Papillon, INES/CEA</b> Solar thermal energy – component technologies: collectors, absorption machines - low cost solar thermal fields for large-scale installation without concentration C.Lenôtre, SAED - flat solar collectors: integrating aluminium and polymers J.Dumas - M.Dufrou, Clipsol - solar air-conditioning: solar absorption machine made in France F.Boudehenn, INES-LETh - storage of heat and cold G.Descy, ESE	<b>ROUND TABLE: "Cultivate complementarities with mediterranean countries" - PART I</b> Issues and challenges for education <b>Moderator: V.Jacques Le Seigneur, INES</b> - needs and expectations B.Benyoucef, University of Tlemcen, Algeria - existing offer T.Achour, CSNENR, Tunisia - R.Dick, INES Éducation - sharing experiences and means Y.Azoumah, ZIE, Burkina Faso - N.Boudjelida, ADEME
16:30 - 17:00	<b>Coffee break</b>		
17:00 - 18:30	<b>SESSION "Modules Plans - Si: face the challenge of encapsulation and thin film technology"</b> <b>Moderator: J.P Joly, INES</b> - new module production technologies - CIGS technology A.Ricaud, Screen Solar - technical end financial analysis of PV technologies V.Cassagne, Total - development in polymer encapsulation materials M.Hidalgo, Arkema - do we really know all there is to know about Si thin films? S.Coffa, 3SUN/STMicroelectronics	<b>SESSION "Thermal solar energy – Systems technologies"</b> <b>Moderator: P.Papillon, INES/CEA</b> - package for individual house B.Hafner, Viessmann - new offers of packaged systems for large-scale installations F.Ruiz, EDF Optimal Solutions - integrating solar thermal energy into heating systems P.Nigon, Cofely, GDF Suez - solar thermal in Tunisia T.Achour, CSNENR, Tunisia	<b>ROUND TABLE: "Cultivate complementarities with mediterranean countries" - PART II</b> Networks and organisations for research and training <b>Moderator: V.Jacques Le Seigneur, INES</b> - networks M.Miled, Desertec University Network - P.Perrotin, University of Savoie / Polytech Annecy - C.Schaeffer, INPG - F.Costes, Plan Bleu - organisations P.Tochon, INES / CEA - L.Dehmani, CRTEN Borj Cedria, Tunisia - A.Mezrhab, University of Oujda, Morocco - prospects for collaborations
19:00 - 21:00	<b>Networking cocktail</b>		

ONE-TO-ONE MEETINGS

## DAY 2 - NOVEMBRE 30<sup>th</sup>, 2011

08:30 - 09:00	<b>Welcome coffee</b>	
09:00 - 10:30	<b>SESSION "PV, CPV and CSP solar power plants - component approach"</b> <b>Moderator: P.Malbranche, INES/CEA</b> Components of PV, CPV and CSP solar power plants - technologies - costs - outlook - monitoring - management - cable and wiring, inverters - monitoring, software - trackers - cable and wiring - grid integration and diagnosis - prediction and storage - impact of component life expectancy on funding bankability R.Petri, A Raymond - F.Conchy, Exosun - J.P Fretti, A.Pailhès, Schneider Electric - T.Arnaud, Mersen - S.Lespinats, INES/CEA	<b>SESSION "Integrating solar power into the built environment: feedback regarding existing buildings. Which technical guidance for a truly effective integration in building ?"</b> <b>Moderators: E.Wurtz, INES / CEA - D.Quenard, CSTB</b> B.Boillot, INES/CEA - O.Godin, Solisart - X.Cholin, INES Education - L.Dehmani, CRTEN Borj Cedria, Tunisia - P.Jaboyedoff, Sorane
10:30 - 11:00	<b>Coffee break</b>	
11:00 - 12:30	<b>SESSION "PV, CPV and CSP solar power plant – Systems and network integration"</b> <b>Moderator: P.Malbranche, INES/CEA</b> N.Sadon, Solaire Direct - C.Desrumaux, Soitec - A.Viel, Energy Pool - B.Ikken, IRESEN Morocco - N.El Mourchid, ALCEN - M.Benmarraze, Solar Euromed	<b>SESSION "Integrating solar power into the built environment: feedback and modelling district installations"</b> <b>Moderators: E.Wurtz, INES / CEA - D.Quenard, CSTB</b> M.Meunier, Albedo - G.Desthieux, HEPIA - X.Gauvin, Bouygues Construction - E.Bozonnet, University of la Rochelle, LEPTIAB
12:30 - 13:00	<b>CONCLUSIONS – PROSPECTS</b> <b>Jean Therme</b> , Director of CEA Grenoble, Director of technological research - CEA, Deputy Director for Renewable Energies - CEA	
13:00 - 14:00	<b>Lunch</b>	
14:00 - 17:00	<b>Visit of the National Solar Energy Institute (INES)</b> <b>Visit of the solar photovoltaic module performance testing and certification laboratory</b>	

ONE-TO-ONE MEETINGS

## > KEY FIGURES 2010 EDITION

- 227 PARTICIPANTS
- 231 ONE-TO-ONE MEETINGS SCHEDULED
- 7 COUNTRIES REPRESENTED