

**METTI 5: Advanced School on Thermal Measurements and Inverse Techniques, Roscoff, June 13-18, 2011**  
**List of tutorials - May 10, 2011**

T1 - 1h30 - Experimental identification of low order model (experimental) - Jean-Luc Battaglia (TREFLE, Bordeaux, France)

T2 - 1h30 - Zero order optimization algorithms (methodological/numerical) - Emmanuel Ruffio (Institut P', Poitiers, France)

T3 - 1h30 - Thermal characterization of materials through the hot wire/hot plate techniques (experimental)  
Andrzej Kusiak (TREFLE, Bordeaux, France)

T4 - 1h30 - In situ realization/characterization of temperature/flux sensors (experimental)  
François Lanzetta (FEMTO-ST, Belfort), Bertrand Garnier (LTN, Nantes, France)

T5-1h30: Characterization of transient distributed surface sources through infrared thermography (experimental/numerical)  
Sébastien Vintrou (Ecole des Mines de Douai, Dpt. Energétique Industrielle, France), Najib Laraqi, Jean-Gabriel Bauzin,  
Abderrahmane Baïri (LTIE, Ville d'Avray, France)

T6 - 1h30 - Inverse problems in a microchannel (experimental)  
Christophe Ravet, Christophe Pradere (TREFLE, Bordeaux, France)

T7 - 1h30 - Real data identification of an actual radiator-room system aimed to virtual sensor design  
Stefano Malan, Cosimo Greco (Dip. di Automatica e Informatica, Politecnico di Torino, Italy)

T8 - 1h00 - Analysis of error factors for measurement data and inverse techniques, application to temperature measurements  
Damien David (CETHIL, Lyon, France)

T9 - 1h30 - Thermal characterization of an insulating material through a tri-layer transient method (experimental)  
Vincent Felix, Yves Jannot (LEMTA, Nancy, France)

T10 - 1h30 – Kalman and particle filters (methodological/numerical)  
Helcio Orlande (Universidade Federal do Rio de Janeiro, Brazil)

T11 - 1h30 - Inverse Heat Conduction Problem using thermocouples deconvolution and infrared measurements: application to heat flux estimation inside a Tokamak (méthodological/numerical)  
Jean-Laurent Gardarein (IUSTI, Marseille, France)

T12 - 1h30 - Analysis of measurement errors and inversion (methodological/numerical)  
Philippe Le Masson, Morgan Dal (LIMATB, Lorient, France)