

18th - 22th January, 2010
Castelldefels School of Technology
Sala Polivalent CIMNE (Building C3)
Daily 16.00 - 20.00

Master in Aerospace Science and Technology

CNES Launchers Week

Monday 18th January

Mission, market, current launchers
Review of orbital dynamics

Introduction to launch, staging and performance concepts
Optimization and constraints of trajectory design
Sequence and flight mechanics

C. Bonnal & E. Bourgeois

Tuesday 19th January

GNC and flight software
Mechanical design

B. Carpentier & P. Mourey

Wednesday 20th January

Mechanical design (ctd)
Structures analysis design
Introduction to rocket propulsion
Liquid rocket propulsion

P. Mourey & P. Fortunier

Thursday 21th January

Liquid rocket propulsion (ctd)
Solid rocket propulsion
Pyrotechnic systems

P. Fortunier & N. Cesco

Friday 22th January

Avionics
Thrust vectoring actuation
Launch installations-Launch base
Future launchers and Advanced concepts

P. Miramont & P. Frisch

Information & Contact

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