



MASTER IN AEROSPACE SCIENCE AND TECHNOLOGY

..... Events 2007-2008

- **Title: "An Introduction to the European Space Agency (ESA) and the ESA Programs"**

Speaker: Javier Ventura-Traveset (Head of Communication and Education Office at European Planetary and Space Astronomy Centre EPSAC, ESA)

Course related: Aerospace Seminars (AS)

Number of sessions: 1

Date: October 2nd, 2007

19.00 – 21.00. Room 001 EPSC

- **Title: "Aerospace Activities at CTAE"**

Speaker: Jorge Fuentes (Technological Advisor, Centre Tecnològic per a la Indústria Aeronàutica i de l'Espai, CTAE)

Course related: Aerospace Seminars (AS)

Number of sessions: 1

Date: October 3rd, 2007

19.00 – 21.00. Room 001 EPSC

- **Title: "Nanotechnologies for Space Exploration"**

Speaker: Ignasi Casanova (Departament d'Enginyeria de la Construcció, UPC)

Date: October 11th, 2007

19.00 – 21.00. Room 001 EPSC

- **Title: "Composite Materials and Related Research"**

Speaker: José Ignacio Velasco (Departament dels Materials i Enginyeria Metal·lúrgica)

Date: October 11th, 2007

19.00 – 21.00. Room 001 EPSC

- **Title: "Aerospace Activities at Indra"**

Speaker: Carlos Belmonte (Gerente, Telecommunications and Navigation Solutions, Indra Espacio)

Date: October 11th, 2007
19.00 – 21.00. Room 001 EPSC

- **Title: "Programas espaciales gestionados por el CDTI"**

Speaker: Manuel Serrano (Dirección de Aeronáutica, Espacio y Retornos Industriales, CDTI)

Date: October 18th, 2007
19.00 – 21.00. Room 001 EPSC

- **Title: "Activities of the UPC Gaia Technical Team"**

Speaker: Enrique García-Berro (Applied Physics Department, UPC)

Date: October 22nd, 2007
19.00 – 21.00. Room 001 EPSC

- **Title: "Research activities at IEEC"**

Speaker: Jordi Isern (Director, Institut d'Estudis Espacials de Catalunya)

Date: October 31st, 2007
19.00 – 21.00. Room 001 EPSC

- **Title: "The Institute of Geomatics: Research and Education for the Benefit of Society"**

Speaker: Ismael Colomina (Director, Institut de Geomàtica)

Date: October 31st, 2007
19.00 – 21.00. Room 001 EPSC

- **Title: "Geomatics Seminars (Elective Course in the 2nd Semester, 3 credits): Structure and Contents"**

Speaker: Josep Gili (Departament d'Enginyeria Geotècnica i Geociències, UPC)

Date: October 31st, 2007
19.00 – 21.00. Room 001 EPSC

- **Title: "Career Management Overview"**

Speaker: Patricia Ferrando (Directora de Empleo, Departamento de RR.HH., Indra)

Date: November 5th, 2007

19.00 – 21.00. Room 001 EPSC

- **Title: "Aerospace Activities at ICARUS: UAV Mission Design"**

Speaker: Cristina Barrado and Enric Pastor (Departament d'Arquitectura de Computadors, UPC)

Date: November 7th, 2007

19.00 – 21.00. Room 001 EPSC

- **Title: "Robust Control Aerospace Applications"**

Speaker: Ricardo Sánchez Peña (Departament d'Enginyeria de Sistemes, Automàtica i Informàtica Industrial, UPC)

Date: November 7th, 2007

19.00 – 21.00. Room 001 EPSC

- **Title: "Marketing Yourself and Researching and Exploring Career Options: How to Get to the Job Opportunity"**

Speaker: Patricia Ferrando (Directora de Empleo, Departamento de RR.HH., Indra)

Date: November 8th, 2007

19.00 – 21.00. Room 001 EPSC

- **Title: "Space Exploration Experiences"**

Speaker: Andreu Ripoll (Vicepresidente Real Academia Española de Ingeniería, first Director of the ESA European Astronaut Centre) and Luis Ruiz de Gopegui (former Director of NASA Space Program in Spain)

Date: November 9th, 2007

19.00 – 21.00. Room 001 EPSC

- **Title: "Current Research Topics in Satellite Communications"**

Speaker: Maria Ángeles Vázquez (Departament de Telecomunicacions i Enginyeria de Sistemes, UAB)

Date: November 13th, 2007
19.00 – 21.00. Room 001 EPSC

- **Title: "Aerospace Electronics System Integration Activities at CNM (CSIC) and UAB"**

Speaker: Carles Ferrer (Departament de Microelectrònica i Sistemes Electrònics, UAB)

Date: November 13th, 2007
19.00 – 21.00. Room 001 EPSC

- **Title: "Aerospace Materials Research at Cambridge"**

Speaker: Lindsay Greer (Head of the Department of Material Science & Metallurgy, University of Cambridge)

Date: November 14th, 2007
19.00 – 21.00. Room 001 EPSC

- **Title: "GAGE-UPC Activities in GNSS"**

Speaker: Jaume Sanz (Departament de Matemàtica Aplicada IV, UPC)

Date: November 15th, 2007
19.00 – 21.00. Room 001 EPSC

- **Title: "Aerospace Research in Instrumentation, Sensors and Interfaces"**

Speaker: Oscar Casas (Departament d'Enginyeria Electrònica, UPC)

Date: November 15th, 2007
19.00 – 21.00. Room 001 EPSC

- **Title: "INTA: Facilities and Advanced Programs"**

Speaker: Manuel Mulero (Subdirección de Relaciones Institucionales y Política Comercial, INTA)

Date: November 20th, 2007
19.00 – 21.00. Room 001 EPSC

- **Title: "Low Thrust Space Missions and Electric Propulsion"**

Speaker: Salvo Marcuccio (Dipartimento di Ingegneria Aerospaziale, Università di Pisa)

Date: November 22th, 2007

19.00 – 21.00. Room 001 EPSC

- **Title: "Research Services at BCBL and Research Evaluation"**

Speaker: Consol García (Biblioteca del Campus del Baix Llobregat, BUPC)

Date: November 27th, 2007

19.00 – 21.00. Room 001 EPSC

- **Title: "Aerospace activities at EGSA Astrodynamics"**

Speaker: Josep Masdemont (Departament de Matemàtica Aplicada I, UPC)

Date: December 4th, 2007

19.00 – 21.00. Room 001 EPSC

- **Title: "Life Support Systems in Space"**

Speaker: Francesc Fodia (Departament d'Enginyeria Química, UAB)

Date: December 4th, 2007

19.00 – 21.00. Room 001 EPSC

- **Title: "Science and Scholarly Communication"**

Speaker: Consol García (Biblioteca del Campus del Baix Llobregat, BUPC)

Date: December 18th, 2007

19.00 – 21.00. Room 001 EPSC

- **Title: "Resources on Aerospace Engineering (searching information and managing references)"**

Speaker: Consol García (Biblioteca del Campus del Baix Llobregat, BUPC)

Date: December 19th, 2007

19.00 – 21.00. Room 001 EPSC

- **Title: "Atmospheric Boundary Layer Research"**

Speaker: David Pino (Applied Physics Department, UPC)

Date: December 20th, 2007
19.00 – 21.00. Room 001 EPSC

- **Title: "Science in Microgravity"**

Speaker: Ricard González Cinca (Applied Physics Department, UPC)

Date: December 20th, 2007
19.00 – 21.00. Room 001 EPSC

- **Title: "Launcher Technologies"**

Speaker: Christophe Bonnal (Launcher Directorate, CNES)

Course related: Aerospace Seminars (AS)

Number of sessions: 2

Date: January 16th – 17th, 2008
From 17:00h to 21:00h

Location: Room 336V and 022B EPSC

- **Title: "Aircraft and Helicopter Propulsion"**

Speaker: Patrick Hendrick (Université Libre de Bruxelles)

Course related: Aerospace Seminars (AS)

Number of sessions: 4

Date: January 29th – February 5th, 2008
From 17:00h to 21:00h

Location: Room 022B EPSC

- **Title: " Helicopter Aerodynamics and Performance Aircraft"**

Speaker: Patrick Hendrick (Université Libre de Bruxelles)

Course related: Aerospace Seminars (AS)

Number of sessions: 3

Date: February 6th – 7th, 2008
From 17:00h to 21:00h

Location: Room 022B EPSC

- **Title: "Cloud Formation"**

Speaker: Jordi Vilà-Guerau de Arellano (Wageningen University, Netherlands)

Course related: Aviation Weather (AW)

Number of sessions: 3 (12 hours)

Date: February 25th, 26th and 28th, 2008
From 16:00h to 20:00h

Location: Baix Llobregat Campus Library (BCBL), Second Floor, "Aula de Formació"

- **Title: "Modelling of Two-Phase Flows"**

Speaker: Catherine Colin (Institut de Mécanique des Fluides de Toulouse)

Course related: Science in Microgravity (SiM)

Number of sessions: 2

Date: March 26th – 27th, 2008
From 16:00h to 21:00h

Location: Room 001Pp EPSC

- **Title: " History of Aerodynamics"**

Speaker: John D. Anderson, Jr. (University of Maryland, Smithsonian Institution)

Course related: Aerospace Seminars (AS)

Number of sessions: 3

Date: March 31st – April 2nd and 4th, 2008
From 17:00h to 20:30h

Location: Room 001 EPSC

- **Title: " Hypersonic Aerodynamics"**

Speaker: John D. Anderson, Jr. (University of Maryland, Smithsonian Institution)

Course related: Aerospace Seminars (AS)

Number of sessions: 3

Date: April 7th, 9th and 10th, 2008
From 17:00h to 20:30h

Location: Room 001 EPSC.

- **Title: "Boundary Layer"**

Speaker: Bas Van de Wiel (Wageningen University, Netherlands)

Course related: Aviation Weather (AW)

Number of sessions: 3 (10 hours)

Date: April 21st, 28th and May 5th, 2008
From 16:00h to 20:00h

Location: Baix Llobregat Campus Library (BCBL), Second Floor, "Aula de Formació"

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