

## SSETI WorkShop2

### Tuesday 1 May

**08:30-09:00** COPERNICUS (ALL students) Welcome / Introduction by Mr. W. J. Ockels, Head of the office for Education, ADM-AE.

**09:00-09:15** COPERNICUS (ALL students) Explanation logistics, goals of workshop by Mr. E. Trottemant

**09:15-10:30** COPERNICUS (ALL students + interested ESA staff) University Team presentations

**09:15-09:30** SSETI PR and Computer Animation team, Hochschule fur Druck und Medien, Stuttgart, Germany.

**09:30-09:40** On-board data handling, Newcastle university, Newcastle, United Kingdom.

**09:40-09:50** On-board data handling, University of Lulea, Lulea, Sweden.

**09:50-10:00** Mission analysis, University of Zaragoza, Zaragoza, Spain.

**10:00-10:10** Configuration satellite, University of the basque country, Bilbao, Spain.

**10:10-10:20** Communications/Antennas, UNICAL, Cosenza, Italy.

**10:20-10:30** Communications/RX-TX, University of Warclow, Warclow, Poland.

**10:30-10:40** Coffee break

**10:40-12:30** COPERNICUS (ALL students + interested ESA staff) University Team presentations

**10:40-10:50** Ground stations, Instituto Superior Tecnico, Lisboa, Portugal.

**10:50-11:00** Infrastructure, University of Girona, Girona, Spain.

**11:00-11:10** Attitude and Orbit Control Systems, Instituto Superior Tecnico, Lisboa, Portugal.

**11:10-11:20** Propulsion systems, University of Stuttgart, Stuttgart, Germany.

**11:20-11:30** Thermal systems Manchester university, Manchester, United Kingdom.

**11:30-11:40** Mechanisms Swiss Federale Institute of Technology(EPFL), Lausanne, Switzerland.

**11:40-11:50** Avionics experiment, University of Girona, Girona, Spain.

**11:50-12:00** Satellite Payload, University of Leicester, Leicester, United Kingdom.

**12:00-12:10** Satellite Instruments University of Florence, Florence, Italy.

**12:10-12:20** Integration and testing, Imperial college, London, United Kingdom.

**12:20-12:30** Simulations, TU Vienna, Vienna, Austria.

**12:30-13:30** ESTEC restaurant LUNCH Break

**13:30-15:20** COPERNICUS (ALL students) Lecture on distributed simulation and demonstrations by Mr. J Miro, Head of the simulation group, TOS-EMM.

**15:20-15:30** Coffee break

**15:30-16:30** COPERNICUS (ALL students) Introduction to EuroSim, Mr. Neefs, Fokkerspace.

**16:30-17:30** COPERNICUS (ALL students) Lecture on Concurrent Design Facility and concurrent engineering by Mr. M. Bandecchi, Teamleader of the CDF.

### Wednesday 2 May

**08:30-09:00** CONCURRENT DESIGN FACILITY (Student group 1) Explanation on how to work in CDF during workshop, group 1 (Mr. E. Trottemant)

**09:00-10:00** CONCURRENT DESIGN FACILITY (Compleet review board) Presentation SSETI, Review board briefing (Mr. E. Trottemant) - Review board members: Mr. M. Anderegg (SCI-PT), Mrs. E. Balaguer (SCI-PG), Mr. R Biesbroek (TOS-GMA), Mr. J. Cande (SCI-PK), Mr. G. Coupe (SCI-PK), Mr. B. Guillaume (SCI-PT), Mr. B. Henson (SCI-PG), Mr. W. Ockels (ADM-AE), Mr. G.D. Racca (SCI-PD), Mr. P. Rumler (SCI-PG), Mr. G. Sarri (SCI-PG), Mr. D. Stramaccioni (SCI-PK).

**09:00-10:00** COPERNICUS (ALL students) Discussion group on community, webtools etc. Discussion leaders: Mr. E. Chester & Mr. J. Schaefer.

**10:00-10:10** Coffee break

**10:10-12:15** CONCURRENT DESIGN FACILITY (Review board + Group 1) Technical session/reviewing SSETI design. Mission & spacecraft description review. Review board: Mr. R. Biesbroek Mr. J. Cande Mr. Coupe Mr. Racca Mr. W. Ockels (?)

**10:10-12:15** COPERNICUS (Student group 2) Discussion on SSETI association, statutes. Discussion leader: Mr. J. Sanchez.

**12:15-13:30** ESTEC restaurant LUNCH Break

**13:30-15:00** COPERNICUS (ALL students) Preparation for technical session 2

**15:00-15:10** Coffee break

**15:10-15:30** CONCURRENT DESIGN FACILITY (Student group 2) Explanation on how to work in CDF

during workshop, group 2 (Mr. E. Trottemant)

**15:10-17:30** COPERNICUS (Student group 1) Discussion on Outreach and PR activities. Discussion leader: Mr. J. Sanchez.

**15:30-17:30** CONCURRENT DESIGN FACILITY (Review board + Student group 2) Technical session/reviewing SSETI design. Communication architecture & Payload review. Review board: Mr. M. Anderegg Mr. G. Sarri Mr. G. D. Racca

### **Thursday 3 May**

**08:30-09:00** COPERNICUS (ALL students) An overview on and practical lessons learned from TEAMSAT, ESA's first educational satellite by Mr. M. Kruijff & E.J. v.d Heide, Delta-Utec.

**09:00-09:30** COPERNICUS (ALL students) Presentation other projects of ESA's office for Education.

**09:00-09:10** Parabolic Flight Campaign, Mrs. L. Jagger-Meziere.

**09:10-09:20** IAF, Ms. M. Miguel Lago.

**09:20-09:30** Teach & Track, Ms. J. Birch.

**09:30-10:30** COPERNICUS (ALL students) Lecture on the ATV test facilities, Mr. R de Vries, Fokkerspace.

**10:30-10:40** Coffee break

**10:40-12:30** COPERNICUS (ALL students) Preparation for technical session 3

**12:30-13:30** ESTEC restaurant LUNCH Break

**13:30-15:30** Test Facilities & ISS User Centre (ALL students) Tour around ESTEC to the Test Facilities and ISS User Centre by Mr. M van Baal.

**15:30-15:40** Coffee break

**15:40-17:30** COPERNICUS (ALL students) Preparation for technical session 3

### **Friday 4 May**

**09:00-11:00** CONCURRENT DESIGN FACILITY (Review board + Student group 1) Technical session/reviewing SSETI design. Structural, thermal, AIV and logistics review. - Review board: Mr. B. Henson Mr. B. Guillaume Mr. J. Cande Mr. D. Stramaccioni Mr. P. Rumler and/or Mrs. E. Balaguer

**09:00-11:00** COPERNICUS (Student group 2) Discussion on SSETI association, statutes. Discussion leader: Mr. J. Sanchez.

**11:00-11:10** Coffee break

**11:10-12:30** COPERNICUS (ALL students) Preparing for technical session 4.

**12:30-13:30** ESTEC restaurant LUNCH Break

**13:30-14:30** COPERNICUS (ALL students) Preparing for technical session 4.

**14:30-16:00** CONCURRENT DESIGN FACILITY (Review board + Student group 2) Technical session/reviewing SSETI design. Technical conclusion from workshop/review with Mr. W. Ockels, Mr. R. Biesbroek and other interested review members.

**14:30-16:00** COPERNICUS (Student group 1) Discussion on Outreach and PR activities. Discussion leader: Mr. J. Sanchez.

**16:00-16:10** Coffee break

**16:10-17:00** COPERNICUS (All students) Wrap up presentation - Closing speech

**16:10-16:20** Presentation Case 1: Outcome: SSETI association statute proposal.

**16:20-16:30** Presentation Case 2: Outcome: agreement on outreach/PR approach.

**16:30-17:00** Future actions and closing speech by Mr. W. Ockels.