

**14th European Workshop on Thermal and ECLS Software**  
**ESA ESTEC 7 - 8 November 2000**  
**Final Programme**

Tuesday 7 November

- 10:15 Welcome Introduction
- 10:30 Andy Holmes  
Astrium UK  
ESARAD: Modelling the Metop-SVM within The SIMLES Test Chamber
- 11:00 Nigel Stock  
ALSTOM Power Technology Centre  
ESARAD v4.2
- 11:30 Coffee break
- 11:50 Sam Heys  
Rutherford Appleton Laboratory  
LISA Payload Thermal Analysis
- 12:20 Patrice Renard  
Astrium France  
Adequation of thermal software for thermal engineering in Astrium/EADS
- 12:50 Lunch
- 14:00 Stefan Kasper  
DaimlerChrysler Aerospace - Jena-Optronik GmbH  
First Experiences by using the PC versions of ESATAN and ESARAD
- 14:20 Hans Peter de Koning  
ESA ESTEC Thermal and Structures Division  
Various tips & tricks for efficient use of ESARAD on Unix and Windows
- 14:50 Julian Thomas  
ALSTOM Power Technology Centre  
The Status of Project POLYTAN
- 15:20 Coffee break
- 15:40 Jose Antonio Romera Perez  
ESA ESTEC Thermal and Structures Division  
Using ESARAD Visualization to Check Surface Rotation Laws of ISS Model  
**The animation demonstrated at the Workshop can be found in the directory Demo\_and\_Models**
- 16:00 Peter van der Plas  
ESA ESTEC Mathematics and Software Division  
Andrea Santovincenzo, Hans Peter de Koning  
ESA ESTEC Thermal and Structures Division  
Concurrent engineering for BepiColombo with animated temperature maps of Mercury
- 16:30 Cocktails & Demonstrations

Wednesday 8 November

- 9:30 Franco Bernelli Zazzera, Marco Molina, Fabrizio Duò, Daniele Peroni  
Department of Aerospace Engineering - Politecnico di Milano  
PALAMEDE thermal design with ESATAN/ESARAD
- 10:00 Sean Tuttle  
Astrium UK  
An Automated RCS Model Generator Spreadsheet
- 10:30 Frederic du Laurens d'Oiselay  
ALSTOM Power Technology Centre  
News from User Support
- 11:00 Coffee break
- 11:20 Marco Molina  
Carlo Gavazzi Space  
Data exchange between SINDA/FLUINT and MAYA/TMG for a payload  
thermal control design: NINA and MITA
- 11:50 Sandrine Fagot  
Simulog  
Hans Peter de Koning  
ESA ESTEC Thermal and Structures Division  
Progress with STEP-TAS Data Exchange
- 12:20 Christian Puillet  
CNES  
Two-phase fluid loop modelling in FHTS and ESATAN
- 12:50 Lunch
- 14:00 Olivier Pin, Robert Lindner  
ESA ESTEC Thermal and Structures Division  
Using ThermXL and EcosimPro for Fast Turn-Around Thermal Analysis  
**The models demonstrated at the Workshop can be found in the directory Demo\_and\_Models**
- 14:40 Pedro Cobas, Ramon Perez-Vara  
Empresarios Agrupados International  
Latest advances in EcosimPro Simulation Tool
- 15:00 Charles Stroom  
ESA ESTEC Thermal and Structures Division  
Discussion Session and Workshop Closure