

SPINE Agenda 28/29 September 2009, ONERA, Toulouse

Monday 2pm DTIM meeting room (203)
Instruments, Technologies and Simulation studies

No.

1. **A light tether mission at Jupiter - Sanmartin**
2. **Review of ESA flight opportunities for plasma instruments & experiments - Hilgers**
3. **ESA plasma instrument initiatives - Rodgers**
4. **SPIS simulations of Langmuir Probes on Cassini and Rosetta - Eriksson**
5. **A study of photoelectrons on the Cassini spacecraft using the SPINE software – Lewis**
6. **Modelling sheath effects on particle sensor measurements in DEMETER and Swarm - Marchand**
7. **Lisa PathFinder simulations - Clucas**

Tuesday 9am DTIM meeting room (203)
New SPIS release and the future

8. **SPIS-4 code upgrade overview – Roussel**
 9. **SPIS 4.0 RC2 Improvements, major changes and new features - Forest**
 10. **GEO simulations with SPIS and result comparing with American spacecraft charging codes - Andersson**
 11. **SPIS-4 Sphere validation - Rodgers**
 12. **SPIS 4.0 Multi physics modelling - Roussel**
 13. **Predictive discharge study - Mateo-Velez**
 14. **SPIS-Muscat comparison - Mateo-Velez**
 15. **SPARCS tool for GEO S/C charging analysis : Brief presentation and planned evolutions - Dudon**
 16. **Ion Neutraliser on MMS - Torkar**
 17. **SPIS Other improvements currently under development - Forest**
 18. **Charging tools for science missions - Hilgers**
 19. **MEO/GEO charging study - Rodgers**
 20. **SPIS-GEO preliminary study - Thiébault**
 21. **R&D at CNES on SPIS - Payan**
- Discussion