



In the frame Technical Competence Centre activities,
that gathers French control engineers and researchers in the field of Robust Control
and Analysis,
we have the pleasure to invite you to a

Workshop on Robust analysis methods and tools

This workshop covers both
worst case analysis tools (such as μ , Lyapunov, IQC, optimization, SoS ...) and
statistical approaches (weighted Monte Carlo ...).

If you intend to participate (and on which topic) or for information, please contact
before end of August martine.ganet@astrium.eads.net

Workshop 14th October 2009
Toulouse - FRANCE

Preliminary Program 14th of October 2009

Worst case analysis tools

- "Clearance of Flight Control Laws Using Optimisation (Cofcluo) overview"
Guilhem Puyou (Airbus)
- "Computation of a guaranteed stability domain for a high-order plant with numerous parametric uncertainties"
Clément Roos and Jean-Marc Biannic (ONERA/DCSD)
- "Mu analysis and IQC frameworks applied to analysis of flexible launcher controller"
Martine Ganet (ASTRIUM ST)
- "Robustness analysis of magnetic control, both for desaturation and attitude control, using the IQC framework"
Marco Lovera (Politecnico de Milano)
- "Robustness analysis with LMIs developed in quadratic separation framework - Application to Demeter attitude control »"
Dimtri Peaucelle (LAAS)
- « on Sum of Squares techniques »
Didier Henrion (LAAS)
- "Worst-Case Analysis Techniques for Space Applications"
Declan Bates (Leicester University) and Samir Bennani (ESA)

Statistical approaches

- « Survey of Monte Carlo alternative solution, quasi MC, polynomial chaos, FORM/SORM »
Nicole Imbert (ONERA)
- « on Monte Carlo alternative solution »
Franck Martel (ASTRIUM ST)