

Issue 13
September 2017

DOI: 10.12762/2017.AL13

Design and Validation of Aerospace Control Systems

AL13-00 - Design and Validation of Aerospace Control Systems: an Overview of Methods & Tools
J.-M. Biannic, C. Roos

AL13-01 - The H_{∞} Control Problem is Solved
P. Apkarian, D. Noll

AL13-02 - Nonlinear Structured H_{∞} Controllers for Parameter-Dependent Uncertain Systems with Application to Aircraft Landing
J.-M. Biannic, C. Roos, J. Lesprier

AL13-03 - Gain-Scheduled H_{∞} Loop-Shaping Autopilot Design for Spin-Stabilized Canard-Guided Projectiles
F. Sève, S. Theodoulis, P. Wernert, M. Zasadzinski, M. Boutayeb

AL13-04 - Randomized and Robust Methods for Uncertain Systems using R-RoMuIOC, with Applications to DEMETER Satellite Benchmark
M. Chamanbaz, F. Dabbene, R. Tempo, D. Peaucelle, C. Pittet

AL13-05 - Stability Analysis by a New Algorithmic Approach Based on Integral Quadratic Constraints: Application to an Aircraft Benchmark
F. Demourant

AL13-06 - Robustness Margins for Linear Parameter Varying Systems
A.-K. Schug, P. Seiler, H. Pfifer

AL13-07 - Anti-Windup Algorithms for Pilot-Induced-Oscillation Alleviation
I. Queinnec, S. Tarbouriech, J.-M. Biannic, C. Prieur

AL13-08 - Structured Control for Future European Launchers
M. Ganet-Schoeller, J. Desmarioux, C. Combiér

AL13-09 - Surrogate Assisted Computation of the Parametric Safety Margin for a Flexible Launcher
A. Kamath, P. P. Menon, M. Ganet-Schoeller, G. Maurice, S. Bennani

AL13-10 - Stability Analysis of a Set of Uncertain Large-Scale Dynamical Models with Saturations
P. Vuillemin, F. Demourant, C. Poussot-Vassal

Publisher
Stéphane Andrieux

Editor in Chief
Francis Dupoirieux

Editorial Board
Stéphane Andrieux
Francis Dupoirieux
Philippe Bidaud
Esteban Busso
Laurent Cambier
Riad Haidar
Laurent Jacquín

Production
ONERA Scientific
Information Department

On line
www.aerospacelab-journal.com
Webmaster ONERA

Contact
E-mail: aerospacelab@onera.fr

Produced by
ONERA - BP 80100
Chemin de la Hunière
et des Joncherettes
91123 PALAISEAU CEDEX
France
www.onera.fr

ISSN: 2107-6596