

**Workshop on Active Control of MHD Stability: Extension of Performance
Columbia University, New York, USA
18-20 November 2002**

Attendees

Invited Speakers

A. Bondesen (for Y. Liu), Chalmers Univ.	MARS Modeling of Mode Control with Rotation
Andrea Garofalo, Columbia	Reaching the Ideal Wall Beta Limit in DIII-D
Chris Hegna, Univ. Wisconsin	Resolution of Issues for NTMs
Dave Humphries, General Atomics	Feedback Control of ECCD for NTM Stabilization
Piero Martin, Padua	The RFX mode control program: physics issues and plans
Filomena Nave, JET	Control of Edge MHD in JET and ELM Control by Enhanced Radiation
G. Navratil, Columbia	5 yr Retrospective on Mode Control
Takahisa Ozeki, JAERI	MHD Stability and Equilibrium for Current Hole Configuration
John Slough, Univ. Washington	Rotation Control in FRCs
Steve Sabbagh, Columbia	Error Field Correction & Plans for RWM Control in NSTX
John Sarff, Univ. Wisconsin	RFP Performance Enhancement through MHD Mode Control
Kozo Yamazaki, NIFS	Experimental Observation of MHD Activity in LHD

Contributed Papers:

- Allen Boozer, Columbia Univ. Effects of Rotation on RWM Feedback Control
- Dylan Brennan, General Atomics Avoidance of NTMs in High Performance DIII-D Plasmas
(brennan@fusion.gat.com)
- Cory Cates, Columbia Univ. RWM Feedback Control Experiments on HBT-EP
- John Finn, LANL Nonlinear Simulations of Feedback Controlled MHD Modes
(finn@lanl.gov)
- Chris Hegna, Univ. Wisconsin Resolution of Issues for NTMs
(hegna@engr.wisc.edu)
- Jenny-Ann Malmberg, KTH Stockholm RWM Studies in the EXTRAP T2R RFP
(jennyann@fusion.kth.se)
- John Menard, PPPL Disruption dynamics in NSTX long-pulse discharges
(jmenard@pppl.gov)
- David Maurer, Columbia Univ. Optimized RWM Control Design and Experiments on HBT-EP
- Yoshiro Narushima, NIFS Low-n Ideal Mode Driven by Large Toroidal Current in LHD
(narushima@lhd.nifs.ac.jp)
- Akio Ishida, Niigata Univ. Flowing Two-Fluid Equilibria of ST and CT
(ishida@sc.niigata-u.ac.jp)
- Mischio Okabayashi, PPPL Lumped Parameter Model for Feedback Control
(mokabaya@pppl.gov)
- Toshihiro Oikawa, JAERI ELM Control by Edge Current Modification in JT-60
(oikawa@fusion.gat.com)
- Satoshi Ohdachi, NIFS Sawtooth-like Phenomena in LHD
(ohdachi@nifs.ac.jp)
- Shigefumi Okada, Osaka Univ. Control of Global Behavior of FRC Plasmas
(okada@ppl.eng.osaka-u.ac.jp)
- Roberto Paccagnella, Padua Feedback Numerical Simulations for the RFP
(paccagnella@igi.pd.cnr.it)
- Holger Reimerdes, Columbia Univ. Rotation Profile Modifications by RWMs and Rotation
(reimerdes@fusion.gat.com) Control with RWM Feedback
- Amiya Sen, Columbia Univ. Optimum Control of RWM in Tokamaks in the Presence of Noise
(amiya@ee.columbia.edu)
- Ted Strait, General Atomics Comparison of Sensors for RWM Control in a
(strait@fusion.gat.com) Simplified Analytic Model
- Hank Strauss, NYU Simulation of Halo Currents in ITER with M3D
(strauss@cims.nyu.edu)

Attendees - not speaking

James Bialek, Columbia Univ.

(jbialek@pppl.gov)

Rostom Dagazian, US DOE

(rostom.dagazian@science.doe.gov)

Mikhail Gryaznevich, UKAEA

(mikhail.gryaznevich@ukaea.org.uk)

Gary Jackson, General Atomics

(jackson@fusion.gat.com)

Mike Mauel, Columbia University

(mauel@columbia.edu)

Oksana Katsuro-Hopkins, Columbia Univ.

(onk3@columbia.edu)

Stewart Prager, Univ. Wisconsin

(scprager@facstaff.wisc.edu)

Steve Paul, PPPL

(spaul@pppl.gov)