

**12th in Series of Workshop on Active Control of MHD Stability to be held at Columbia University in New York on 18-20 November 2007** following the Orlando APS-DPP Meeting [12-16 Nov 2007]

- #11 PPPL, 4-6 Nov 2006, Workshop on Active Control MHD Stability: Active Control in ITER
- #10 Univ. of Wisconsin, 31 Oct – 2 Nov 2005, Workshop on Active Control of MHD Stability: Progress in Kink and Tearing Mode Control
- #9 PPPL, 21-23 Nov 2004, Workshop on Active Control of MHD Stabilities: Back to Basics
- #8 Univ. of Texas - Austin, 3-5 Nov 2003, Workshop on Active Control of MHD Stability: Extension to the Burning Plasma Regime
- #7 Columbia University, 18-20 Nov 2002, Workshop on Active Control of MHD Stability: Extension of Performance
- #6 General Atomics, 5-7 Nov 2001, Workshop on Control of MHD Stability by Rotation
- #5 PPPL, 30 Oct - 1 Nov 2000, Workshop on Innovative MHD Control in Magnetic Fusion Plasmas
- #4 Univ. of Washington, 21-23 Nov 1999, Workshop on Active MHD Mode Control in Innovative Confinement Concepts
- #3 General Atomics, 22-24 Nov 1998, Workshop on Active Control of MHD Modes in Toroidal Devices
- #2 Columbia University, 23-25 Nov 1997, Workshop on Control of MHD Modes in Tokamaks with Non-axisymmetric Coils
- #1 PPPL, 11-13 Dec 1996, Workshop on Feedback Stabilization of MHD Instabilities



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### **Proposed Logistics:**

Since the Workshop takes place during the Thanksgiving Holiday (Nov 22) week, the proposal is to start the workshop on **Sunday**, 18 November, at 10:00 AM and run through **Tuesday**, 20 November, at 3:00 PM, to allow for Tuesday evening departures. Plan for 20.5 hours of presentations/discussion (same as this year).

Hotels rooms for the workshop will be arranged for arrival as early as Friday, 16 November, to allow participants to spend weekend in NY City before our Sunday morning start.



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Two suggestions inspired by planned activity or recent developments in MHD mode control:

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ITER Design Review driven work for combined RWM and ELM control coil design that will also naturally bring in the application of “advanced” control algorithm development:

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**“Improved MHD Control Configurations”**

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Recent measurements on rotation stabilization effects in DIII-D will drive advances in our understanding of toroidal, poloidal, and kinetic effects in MHD mode stabilization in the next year:

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**“Rotation and Kinetic Effects on MHD Mode Control”**