

Day 1, Sunday, November 22						
	8:20	Registration				
	8:40	Welcome & Announcements	Michael Zarnstorff Egemen Kolemen	Welcome announcements Local announcements		
No.	Day/	Session Title	Presenter Name/Chair	Affiliation	Device/Theory	Title of Talk
1		Non-linear MHD Control in Fusion Devices	Jong-Kyu Park			
	9:10	invited talk	Michael Bell	PPPL	TFTR	Discoveries in MHD Physics from TFTR
	9:40	invited talk	Joseph Snipes	ITER Organization	ITER	ITER Plasma Control System Development and MHD Control
	10:10	contributed talk	Matthew Lanctot	GA	DIII-D/ITER	Predicting plasma performance in the presence of 3D fields from Test Blanket Modules
	10:30	invited talk	Francesca Turco	Columbia Univ.	DIII-D/ITER/Modeling	Measuring and modeling disruptive instabilities in the DIII-D ITER Baseline Scenario
	11:00	Coffee break				
2		Real-time 3D and MHD Control	Ted Strait			
	11:30	contributed talk	Egemen Kolemen	Princeton Univ.	Tokamaks/Control	Development of real-time ITER stability control and disruption avoidance algorithms and infrastructure in
	11:50	contributed talk	David Eldon	Princeton Univ.	Tokamaks/Control	Development of automated kinetic equilibrium reconstruction to support real time stability analysis
	12:10	contributed talk	Mark Boyer	PPPL	NSTX-U/Control	TRANSP testing of feedback control algorithms for stored energy, safety factor, and plasma current in non-inductive scenarios in NSTX-U
	12:30	Lunch				
	13:30	invited talk	Erik Olofsson	GA	DIII-D/Control	Dynamical reconstruction of poloidal flux and noninductive source profiles with applications to MHD stability
	14:00	contributed talk	Marco de Baar	DIFFER	Modeling	Control oriented modelling for tearing mode and sawtooth control
	14:20	contributed talk	Menno Lauret	Lehigh Univ.	Modeling	Control oriented nonlinear modeling of the sawtooth oscillation
	14:40	contributed talk	Junya Shiraishi	JAEA		Model predictive control for toroidal rotation profile in tokamaks
	15:00	Coffee break				
3		Non-linear/non-ideal Processes in TM/NTM	Robert La Haye			
	15:30	invited talk	Roscoe White	PPPL	Theory	Thermal Island destabilization and the Greenwald Limit
	16:00	contributed talk	Zhirui Wang	PPPL	Theory/Modeling	Computation of Resistive/Relaxed Perturbed Equilibria with RPEC and resistive DCON
	16:20	contributed talk	Alan Glasser	FTCI	Theory/Modeling	Implementation of Linear Neoclassical Inner Region Model in the DCON Package
	16:40	contributed talk	Ryan Sweeney	Columbia Univ.	EXTRAP-T2R	Interactions of a fast rotating tearing mode with a static resonant field on EXTRAP-T2R
	17:00	contributed talk	Egbert Westerhof	DIFFER	Modeling	New insights into the generalized Rutherford equation for nonlinear tearing mode growth from 2D reduced MHD simulations
	17:20	contributed talk	Michio Okabayashi	PPPL	DIII-D	Resistive Plasma Response of Neoclassical Tearing Mode in Locking Avoidance
	17:40	Close				
Day 2, Monday, November 23						
4		Non-linear and Extended	Matthew Lanctot			
	8:00	invited talk	Raffi Nazikian	PPPL	DIII-D	Bifurcation dynamics near the threshold of ELM suppression by RMP
	8:30	contributed talk	Nikolas Logan	PPPL	DIII-D/Modeling	Multimodal Plasma Control
	8:50	contributed talk	Brandan Lyons	GA	Theory/Modeling	Extended MHD plasma response to external magnetic perturbations
	9:10	invited talk	Anthony Cooper	EPFL	DIII-D/Modeling	3D MHD equilibrium of Quiescent H-modes in tokamak systems
	9:40	contributed talk	Mark Cianciosa	UCSD	Tokamaks/Modeling	Adapting 3D Equilibrium Reconstruction to Reconstruct Weakly 3D H-mode Tokamaks
	10:00	Coffee break				
5		3D Field Physics in Long Pulse Operation	Joseph Snipes			
	10:30	invited talk	YongKyooin In	NFRI	KSTAR	Low intrinsic error fields and 3D physics studies in the KSTAR tokamak
	11:00	contributed talk	YoungSeok Park	Columbia Univ.	KSTAR	Achievement of High Normalized Beta Plasmas Exceeding the Ideal Stability Limit and Projected RWM Active Stabilization Using the Newly Proposed Magnetic Field Sensors in KSTAR
	11:20	invited talk	Youwen Sun	IPP (China)	EAST	3D Physics studies and MHD Control in the EAST tokamak

	11:40	contributed talk	Robert Wilcox	ORNL	DIII-D/Modeling	3D equilibrium effects on pedestal transport in DIII-D, modeling with VMEC and M3D-C1
	12:00	<b>Photo</b>				
	12:10	<b>Lunch</b>				
6		<b>Non-linear/Kinetic RWM and Wall Effects</b>	<b>Francesco Volpe</b>			
	13:10	invited talk	Jeffrey Levesque	Columbia Univ.	HBT-EP	Stability of ferritic resistive wall modes in the HBT-EP tokamak
	13:40	contributed talk	Mitchell Clement	UCSD	Modeling	Optimal RWM Control using VALEN
	14:00	contributed talk	Agung Chris Setiadi	KTH	EXTRAP-T2R	Improved Model Predictive Control of Resistive Wall Modes by Error Field Estimator in EXTRAP T2R
	14:20	contributed talk (Remote)	Jeremy Hanson	Columbia Univ.	DIII-D	Validation of conducting wall models using magnetic measurements
	14:40	contributed talk	Taha Mirhoseini	Columbia Univ.	NSTX-U	Feedback stabilization of static and flowing liquid-metal walls: design and preliminary experimental results
	15:00	<b>Coffee break</b>				
7		<b>Non-linear MHD in Stellarators/RFP</b>	<b>Junya Shiraishi</b>			
	15:30	invited talk	Satoru Sakakibara	NIFS	LHD	Plasma response to resonant magnetic perturbation in LHD
	16:00	contributed talk	Allan Reiman	PPPL	Theory/Modeling	Effects of Weak Pressure Gradients along Magnetic Field Lines, and of Stellarator Symmetry, in Toroidal Plasma Equilibria with Magnetic Islands
	16:20	contributed talk	Samuel Lazerson	PPPL	Modeling	Ideal MHD in the nested flux surface limit
	16:40	invited talk	Daniel Bonfiglio	CONSORZIO RFX	RFP	Common nonlinear MHD physics of RFP and tokamak plasmas with magnetic perturbations: from sawtooth dynamics to stationary helical states
	17:10	contributed talk	Ted Strait	GA	General	ITPA Summary
	17:30	<b>NSTX-U tour</b>				
	18:30	<b>Close</b>				
	19:30	<b>Banquet at the Prospect House in Princeton University</b>				
<b>Day 3, Tuesday, November 24</b>						
8		<b>Disruption processes and dynamics</b>	<b>Egemen Kolemen</b>			
	8:00	invited talk	Wikie Choi	Columbia Univ.	DIII-D	Analysis of locked mode disruption database in the DIII-D tokamaks
	8:30	contributed talk	Steve Jardin	PPPL	Modeling	3D Modeling of NSTX VDEs and other disruptions with M3D-C1
	8:50	contributed talk	Steve Sabbagh	Columbia Univ.	Tokamaks/Control	Global MHD Mode Stabilization for Tokamak Disruption Avoidance - Linear vs. Non-linear Considerations
	9:10	contributed talk	Jack Berkery	Columbia Univ.	Theory/Modeling	Modifications to Ideal Stability by Kinetic Effects for Disruption Avoidance
	9:30	<b>Coffee break</b>				
9		<b>Disruption Mitigation</b>	<b>Egemen Kolemen</b>			
	10:00	invited talk	Alexandre Fil	CEA	Modeling	Modeling of MGI-triggered-disruptions with JOREK and IMAGINE
	10:30	contributed talk	Roger Raman	PPPL	Tokamaks	Outstanding Issues for ITER and FNSF, NSTX-U Plans and Key Contributions to Disruption Mitigation
10		<b>Kinetic Effects in MHD</b>	<b>Michio Okabayashi</b>			
	10:50	contributed talk	Zhouji Huang	EPFL	TCV	The electromagnetic geodesic acoustic mode in TCV
	11:10	contributed talk	Enzo Lazzaro	CNR	Tokamaks	Neoclassical Offset Toroidal Velocity and rf Heating in Tokamaks
	11:30	contributed talk	Gerrit Kramer	PPPL	DIII-D/Modeling	Predictive understanding of fast-ion transport in high $q_{min}$ steady state plasmas on DIII-D
	11:50	contributed talk	Jong-Kyu Park	PPPL	NSTX-U/Modeling	Kinetic plasma response and stability modeling with general perturbed equilibrium code
	12:10	<b>Discussion of 2016 Theme and Place (Chair: Matthew Lanctot)</b>				
	12:50	<b>Workshop Adjourn</b>				