

## IRW14 Workshop agenda

	Wednesday 22 May 2019	Thursday 23 May 2019	Friday 24 May 2019
08:30	Introduction	<b>S. Heuraux</b> : Full-Wave simulation of the enhanced Upper-Hybrid Resonance Scattering (UHRS)	<b>L. Vermare</b> : Perpendicular flows in Tore Supra plasmas
09:00	<b>P. Molina-Cabrera</b> : AWG-driven short pulse reflectometer diagnostic in the TCV tokamak	<b>J. Vicente</b> : Full-wave simulations of conventional O-mode fixed frequency probing of plasma turbulence with REF MUL/GEMR codes	<b>M. Peret</b> : Perpendicular velocity evolution in the first plasmas of the WEST tokamak
09:30	<b>Y.M. Wang</b> : Recent status of the electron density profile and fluctuation reflectometer on EAST tokamak	<b>P. Molina-Cabrera</b> : Doppler back-scattering diagnostic in the TCV tokamak	<b>T. Estrada</b> : Turbulence k-perp spectrum & perpendicular plasma flow asymmetries measured using Doppler reflectometry at TJ-II plasmas
	coffee break	coffee break	coffee break
10:30	<b>F. Claret</b> : 1msec broadband frequency sweeping reflectometry for plasma density and fluctuation profile measurements	<b>T. Tokuzawa</b> : Dual-comb microwave Doppler reflectometer system in LHD & feasibility study for JT-60SA Doppler reflectometer	<b>K. Höfler</b> : Study of poloidal asymmetries in the flow perpendicular to the magnetic field of the ASDEX Upgrade tokamak
11:00	<b>A. Medvedeva</b> : Development of the synthetic diagnostic for the ultra-fast swept reflectometer	<b>Z.B. Shi</b> : Development of multi-channel Doppler reflectometer for MAST-U and HL-2A	<b>S.J. Freethy</b> : Measurements of the density-temperature cross-phase angle of turbulent fluctuations at ASDEX Upgrade and comparison to theory
11:30	<b>R.B. Morales</b> : The reconstruction of hollow areas in the density profiles from frequency-swept reflectometry	<b>R. Vann</b> : SAMI-2 ; 2-D microwave Doppler backscattering at MAST-U	<b>R. Sabot</b> : Trends emerging from a systematic analysis of a decade of fluctuation reflectometry measurements on Tore Supra
	lunch	lunch	lunch
13:30	<b>T. Happel</b> : Design of a variable frequency comb reflectometer system for the ASDEX Upgrade tokamak	<b>J.O. Allen</b> : Dual-polarisation broadband sinuous antenna and RF downconverter design for the Synthetic Aperture Microwave Imager-2 diagnostic	<b>W. Lee</b> : Effect of the quasi-coherent mode on the intrinsic rotation of ohmic plasmas in KSTAR
14:00	<b>S-H. Seo</b> : Precise density profile reconstruction of FMCW reflectometer	<b>T. Windisch</b> : Doppler Reflectometry at Wendelstein 7-X	<b>E. Trier</b> : Comparison of poloidal correlation reflectometry measurements in W7-X and ASDEX Upgrade plasmas
14:30	<b>X. Han</b> : Development of a dual band X-mode reflectometer for the density profile measurement at the ICRF antenna in W7-X	<b>D. Carralero</b> : First V-band Doppler reflectometer results from the OP1.2b campaign in Wendelstein 7-X	<b>V.A. Vershkov</b> : Spatial structure of density fluctuations in T-10 tokamak
15:00	<b>J.W. Oosterbeek</b> : Edge electron density profile reflectometer study W7-X	<b>D. Woodward</b> : Full wave numerical simulations of cross polarization Doppler backscattering	<b>A. Krämer-Flecken</b> : Effects of the magnetic topology on turbulence in the SOL and plasma edge of W7-X
15:30	coffee break	coffee break	<b>G.V. Zadivitskiy</b> : Modelling of simultaneous measurements of turbulence correlation lengths and turbulence amplitudes using multichannel radial reflectometry

16:00	<b>A. Sirinelli</b> : Update on ITER construction and integration of reflectometry systems	<b>V.H. Hall-Chen</b> : Modelling the effects of misaligning the probe beam and magnetic field in Doppler backscattering measurements	
16:30	<b>J. Martinez</b> : In-port-plug transmission line design of the ITER plasma position reflectometer	<b>E.Z. Gusakov</b> : Validation of full-f global gyrokinetic modelling results against the FT-2 tokamak Doppler reflectometry data using different synthetic diagnostics	
17:00	<b>D.A. Shelukhin</b> : Findings on the way towards ITER HFS reflectometry	<b>N. Teplova (V. Bulanin)</b> : Full wave modelling of Doppler backscattering from filaments	
17:30	<b>C.M. Muscatello</b> : Preliminary design overview and performance assessment of the low-field-side reflectometer for ITER	<b>G.D. Conway</b> : Recent progress in modelling the resolution and localization of Doppler reflectometry measurements	
18:00	<b>G.J. Kramer</b> : Simulation of the antenna-plasma coupling for the ITER low-field-side reflectometer system	<b>C. Lechte</b> : Fullwave Doppler Reflectometry Simulations for Turbulence Spectra Using GENE and IPF-FD3D	
18:30	<b>D.J. Lee</b> : Collective Scattering system developed for high-k turbulence study in KSTAR	Tour of TCV & SPC	