



AAPPS-DPP 2018 Plenary speaker Name: Prof. Fouad Sahraoui

Affiliation: University Pierre & Marie Curie (UPMC)

Rationale: He is Directeur de Recherches (Senior Scientist) at CNRS since 2016. He is Co-Lead of the Space Plasma Department at LPP and Coordinator of the French participation in the ESA/THOR mission (currently in Phase A study) and PI of the SCM experiment of the ESA/THOR. He has done good work on turbulence in kinetic scale.

Talk Title: Kinetic scale turbulence in space plasmas (tentative)

Short abstract:

List of related published papers

1. **Sahraoui, F.**, S. Y. Huang, G. Belmont, M. L. Goldstein, A. Retino, P. Robert, J. De Patoul, Scaling of the electron dissipation range of solar wind turbulence, *ApJ*, 777:15 (2013)
2. **Sahraoui, F.**, M. L. Goldstein, P. Robert, Y. Khotyaintsev, Evidence of a Cascade and Dissipation of Solar-Wind Turbulence at the Electron Gyroscale, Reply, *Phys. Rev. Lett.*, 111, 149002 (2013)
3. **Sahraoui, F.**, G. Belmont, M. L. Goldstein, New insight into short-wavelength solar wind fluctuations from Vlasov theory, *ApJ.*, 748:100 (2012)
4. **Sahraoui, F.**, M. L. Goldstein, G. Belmont, P. Canu & L. Rezeau, Three dimensional k-spectra of turbulence at sub-proton scales in the solar wind, *Phys. Rev. Lett.*, 105, 131101 (2010)