



**19th International Conference on Atomic Processes in Plasmas
4-8 April 2016, Paris**

**Université Pierre et Marie Curie, Paris
Subway: Jussieu**

LECTURES

Monday, April 4th

9:00-10:00 **Yu. Ralchenko**, NIST, Gaithersburg
Spectral Lines in Plasmas

10:00-11:00 **A. Calisti**, PIIM, Aix-Marseille Université
Spectral lineshape modeling state of art

11:00-11:30 COFFEE BREAK

11:30-12:30 **H. K. Chung**, IAEA, Vienna
Population Kinetics Modeling for Plasma Spectroscopic Analysis

12:30-14:00 LUNCH

14:00-15:00 **F. Rosmej**, Université Pierre et Marie Curie, Paris
An introduction to the interaction of X-ray free electron laser radiation with matter

15:00-16:00 **J. Kaastra**, SRON, Utrecht
Astrophysical X-ray spectra

16:00-16:30 COFFEE BREAK

16:30-17:30 **D. Reiter**, Institute for Energy and Climate Research, Jülich
Can we nurse the fire ? The physics of magnetic fusion