

## SEMINARIUM RENTGENOWSKIE

Dnia 30.08.2016r. o godz. 10.30, w sali D Instytutu Fizyki PAN, odbędzie się seminarium rtg., na którym **dr Jasper Plaisier** z Elettra Sincrotrone Trieste – Italy wygłosi referat na temat:

### "MCX: A multi purpose powder diffraction station at Elettra"

#### **Streszczenie:**

MCX is the powder diffraction beamline at the Elettra synchrotron in Trieste. The beamline is designed to host a wide range of experiments, that cover many scientific fields. Apart from standard applications such as phase identification and structure determination using the Rietveld method, one of the strengths of MCX is the well-defined narrow instrumental profile, which allows accurate microstructure determination using Line Profile Analysis (LPA). The station, however is designed in such a way, that it also allows many types of in-situ experiments. A variety of recently obtained results will be presented in order to show the many possibilities MCX offers for many different fields, such as pharmaceutical research, materials for airplane construction, objects of cultural heritage and new materials for batteries.

Prof. dr hab. Wojciech Paszkowicz