



**Institute of Physics PAS and University of Warwick Twinning
Seminar on:
XPS and TEM applied to surfaces and interfaces characterization.
23-27 February 2015.
WP 2.3**

23.02.2015

12:00-14:00	Registration
14:00-14:15	Opening, Prof. dr hab Krystyna Jabłońska IF PAN
14:15-15:00	dr Laurent Nittler , IF PAN “Presentation of research possibilities of new XPS at IFPAN”
15:00-15:45	dr Ana Sanchez , Univ. Warwick “Progress and perspectives in microscopy of low dimensional materials”
15:45-17:00	Visiting of IFPAN laboratories guided tour ,
18:00	Departure for get together in Warszawa

24.02.2015

10:30-11:30	dr hab Aleksander Krupski Univ. Warwick “Growth morphology of thin films on the metallic and oxide surfaces”
11:30-12:00	Break
12:00-13:00	Panel discussion “XPS vs TEM common points”
13:00-14:30	Lunch time
14:30-17:00	Visit of XPS laboratory of IF PAN

25.02.2015	
9:00-13:00	Practical lab: XPS spectra analysis , CASA program ; Dr Laurent Nittler, Dr Katarzyna Krupski
13:00-14:30	Lunch time
14:30-17:00	Practical lab: TEM/FIB Exercises; mgr Kamil Sobczak/dr Marcin Klepka/ mgr Bogusława Kurowska
26.02.2015	
11:15-11:45	mgr. Krzysztof Morawiec, IFPAN, “Perspectives of application of GPU to electron microscopy problems”
11:45-12:30	dr hab. Sławomir Kret , “TEM study of core-shell nanowires “
13:00-14:30	Lunch time
15:00-15:30	dr Katarzyna Krupski, Univ. Warwick “Structural Optimization Of Titanium Dioxide of (4×1) Reconstruction for Photocatalytic Applications
15:30-16:00	dr Tian Li, IF PAN “Semiconductor with magnetic dopants studied by conventional and advanced TEM”
16:00-18:00	Panel discussion “Future common Univ. Warwick -IFPAN projects ”
18:00	Workshop barbeque
27.02.2015	
11:00-11:45	Prof. dr hab Bogdan Kowalski, IFPAN “ARPES of topological crystalline insulators“
11:45-12:30	Prof. Chris McConville, Univ. Warwick “ARPES and XPS of CdO”
12:30-14:00	Lunch time
14:00-14:45	Prof. dr hab Krystyna Jabłońska IF PAN „The elemental and chemical analysis by XPS in heterogeneous materials”
15:00-16:00	Meeting of Univ. Warwick and IFPAN staff “Work plan for 2015-2016 for XPS-TEM activity
16:00-17:00	Practical lab: participation in tests of XPS system, Dr. Laurent Nittler
16:00-17:00	Practical lab: TEM/STEM image simulations, mgr Krzysztof Morawiec, dr Tian Li

Lectures: open access (registration is not required)

Orange events: required registration:

XPS=> send request to L.Nittler (nitter@ifpan.edu.pl) or S.Kret (kret@ifpan.edu.pl)

TEM=> send request to K.Morawiec (morawk@ifpan.edu.pl) or S.Kret

Deadline for registrations: 20 February 2014, numbers of places are limited

Green events: at invitations.

During social events, catering is **not** free.

Organizing Team:

Ana Sanchez Univ. Warwick

Aleksander Krupski Univ. Warwick

Krystyna Jabłońska IFPAN

Sławomir Kret IFPAN
Laurent Nittler IFPAN
Katarzyna Krupski, Univ. Warwick
Marcin Klepka IFPAN
Krzysztof Morawiec IFPAN
Kamil Sobczak IFPAN
Bogusława Kurowska IFPAN
Jerzy Dąbrowski, IFPAN