

**2. SELECTA Workshop
March 6-10, 2016 at IFW Dresden**

**“Training on research methodologies, characterization techniques
and reporting scientific results”**

Draft Programme

Sunday, 06.03.2016

Arrival in Dresden	
18.00-20.00	Welcome Reception (IBIS)

Monday, 07.03.2016 (IFW Dresden*, Room: D2E.27)

08:30-09:00	Registration	
09:00-9:15	Introductory Comments by Meeting Organizers Welcome by the SELECTA Coordinator	
Tutorial Session 1 Structure & Mechanics Discussion Leader:		
9:15-10:00	Tutorial and Discussion Nanostructure stabilization in nanocrystalline electrodeposits and commercialization	C. Schuh, MIT
10:00-10:45	Tutorial and Discussion Structural characterization: diffraction/imaging techniques	U. Klement, Chalmers
10:45-11:00	Coffee break	
11:00-12:20	Talks by SELECTA fellows and Discussion (20 min/fellow) ESR1 (affiliation) ESR2 (affiliation) ESR3 (affiliation) ESR4 (affiliation)	
12:30-14:00	Lunch	
Tutorial Session 2 Mechanics Discussion Leader:		
14:00-14:45	Tutorial and Discussion Mechanical properties of micro and nanostructures: in situ-testing methods and fundamentals	L. Philippe, EMPA
14:45-15:30	Tutorial and Discussion Mechanical behavior of electrodeposited films and micro/nanostructures - size effects, shape memory alloys	J. Fornell, UAB
15:30-16:00	Coffee break	
16:00-17:20	Talks by SELECTA fellows and Discussion (20 min/fellow) ESR5 (affiliation) ESR6 (affiliation) ESR7 (affiliation) ESR8 (affiliation)	
18:00	Brauhaus Watzke, Pieschen (brewery and dinner)	

Tuesday, 08.03.2016 (IFW Dresden*, Room: D.2E.27)

Tutorial Session 3 Magnetism		
Discussion Leader:		
9:00-09:45	Tutorial and Discussion Towards Nanocrystalline Rare Earth-Free Permanent Magnets: sustainability and innovative applications	A. Bollero, MDEA
09:45-10:30	Tutorial and Discussion Nanomagnetism and spintronic devices	Jordi Sort, UAB
10:30-11:00	Coffee break	
11:00-12:20	Talks by SELECTA fellows and Discussion (20 min/fellow) ESR9 (affiliation) ESR10 (affiliation) ESR11 (affiliation) ESR12 (affiliation)	
12:30-14:00	Lunch	
Tutorial Session 4 Corrosion & Tribocorrosion		
Discussion Leader:		
14:00-14:45	Tutorial and Discussion Corrosion and wear resistance of electrodeposited metallic coatings	E. García-Lecina, CIDETEC
14:45-15:30	Tutorial and Discussion Tribocorrosion	F. Zivic, FINK
15:30-16:00	Coffee break	
16:00-17:00	Talks by SELECTA fellows and Discussion (20 min/fellow) ESR13 (affiliation) ESR14 (affiliation) ESR15 (affiliation)	
19:00	Workshop Dinner Cosel-Palais	

Wednesday, 09.03.2016 (IFW Dresden, Room: D 2E 27 &)

ESR Soft Skills Training		
Trainer: Dr. Jean-Luc Doumont, Principiae confirmed !!! 8.12)		
9:00-10:30	'Effective oral presentations' Seminar (Part 1) (fellows only)	<i>Dr. Jean-Luc Doumont, Principiae</i>
10:30-11:00	Coffee break	
11:00-12:30	'Effective oral presentations' Seminar (Part 2) (fellows only)	<i>Dr. Jean-Luc Doumont, Principiae</i>
12.30-14.00	Lunch	
14:00-15:30	'Effective oral presentations' Seminar (Part 3) (fellows only)	<i>Dr. Jean-Luc Doumont, Principiae</i>
15.30-16:00	Coffee break	
16:00-17:30	'Effective oral presentations' Seminar (Part 4) (fellows only)	<i>Dr. Jean-Luc Doumont, Principiae</i>
19:00	ESR Social event (M. Barcia-Fernandez)	

Seniors Meeting & Discussion		
Discussion Leader: J. Sort (UAB)		
9:00-10:30	"Workpackages: content & progress" (scientific)	<i>Workpackage leaders:</i> (WP2) C. Lekka (WP3) J. Sort (WP4) P. Tiberto (WP5) U. Klement (WP6) A. Gebert (WP7) W. Hansal
10:30-11:00	Coffee break	
11:00-12:30	"Networking: connecting project (ESR) activities" (including training, secondment plan etc.)	(WP8) E. Pellicer
12.30-14.00	Lunch	
14:00-15:30	'Consortium Management Meeting' (Financial and organizational issues, next WS)	(WP1) J. Malapeira
15.30-16:00	Coffee break	
19:00	Free evening or departure	

Thursday, 10.03.2016 (IFW Dresden, Meeting point)

10:00-12:30	Visit of IFW labs (3-4 groups) <ul style="list-style-type: none">- electrochemistry (Uhlemann, Gebert)- topography & magnetic characterization (Wolff,)- surface analysis (AES/XPS-Oswald, GD-OES –Hoffmann) <p>on special interest:</p> <ul style="list-style-type: none">- casting & SLM labs- XRD & μCT-.....
12:30-13:30	Lunch
13:30-17:00	Individual practical training for ESRs (to apply for....) <ul style="list-style-type: none">- electrochemical measurements (ED, Corrosion)- AFM/MFM (bring you own sample)- AES or GD-OES (bring your own sample)- max. 3 ESR per lab/sign up for one training in advance
17:00	End of Workshop

* Addresses:

IFW Dresden

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Rest. Coselpalais

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