



# MintWeld Project Consortium Meeting

April 07 and 08, 2011

Department of Engineering, University of Oxford

## Agenda

Expected Attendees for **Mintweld Project Consortium** meeting:

European Commission	Martin Gieb
University College Dublin	David Browne, Greg Duggan, Mingming Tong
University of Oxford	Alan Cocks, Nicola Marzari, Hiroto Kitaguchi, Sergio Lozano-Perez, Davide Ceresoli, Amanda Bradbury
Norwegian University of Science and Technology (NTNU)	Wajira Mirihanage, Ragnvald Mathiesen
Tata Steel	Shuwen Wen, Sally Parker, Andrew Sullivan
Royal Institute of Technology	Lars Hoglund
Delft University of Technology	Chris Kleijn, Ian Richardson, Chuangxin Zhao, Anton Kidess, Sasa Kenjeres
TWI Limited	Lijuan Zhang, Mike Gittos
Institute of Welding	Tomasz Pfeifer
FRENZAK Sp	Aleksander Zak
Ecole Polytechnique Federale de Lausanne (EPFL)	Jon Dantzig
University of Leicester	Hongbiao Dong, Ruslan Davidchack, John Fothergill, Helen Atkinson, Yu Xie, Lisa Hawkins, Jun Liu, Mykhailo Melnykov, Ali Tahaei, Sungwoo Son, Mike Dodge

Expected Attendees for Mintweld **Scientific Advisory Committee (SAC)**:

UK DSTL	Matthew Lunt
BP	Lee Smith
Cranfield University	Stewart Williams
Oxford University	John Hunt
Rolls Royce	Paul Withey
UK National Physical Laboratory	Peter Quedsted
Imperial College London	Mike Finnis

### Apologies:

Name	Organisation
TWI	Paul Woollin
Tata Steel	Andy Howe

## Day 1: Thursday 07 April 2011, Project Consortium Meeting (joined by SAC)

### Morning Session Chair: Alan Cocks (ACFC)

09:30 – 10:00 Arrival and coffee

10.00 - 10:10 Opening address (ACFC)

10:10 - 10:30 Summary of progresses by consortium coordinator Hong Dong (HD)

10:30 - 10:40 Progress and remaining issues for Month 18 report (HD)

10:40 - 12:00 Summary of Deliverables

D5.2.1	High temp stage for in situ synchrotron X-ray imaging	RM	P, R	PU	Month 16
D3.2.2	MD model for Structural and thermodynamic properties	RD	P, R	PP	Month 18
D3.2.5	Validated PF solidification model for real alloy systems	HD	P, R	PP	Month 18
D3.3.1	A preliminary model to rapidly obtain phase diagram info	LH	P	PP	Month 18
D6.4	Welding trials design and materials procurement	IR	P	CO	Month 18
D2.2.2	Prototype data exchange framework for all partner codes	MT	P, R	CO	Month 18

12:00-12:30 Overview on Ab-initio materials modelling (Nicola Marzari)

### 12.30 - 13.30 Lunch

### Afternoon Session Chair: John Fothergill

13.30 – 13.40 Introduction from Martin Gieb – EC Research Programme Officer

13:40 – 18:00 **Technical sessions from project researchers**

13:40	Mike Dodge	Leicester
14:00	Greg Duggan	UCD
14:20	Anton Kidess	TUD
14:40	Hiroto Kitaguchi	Oxford
15:00	Jun Liu	Leicester
15:20	Tea	
15:40	Mykhailo Melnykov	Leicester
16:00	Wajira Mirihanage	NTNU
16:20	Ali Tahei	Leicester
16:40	Yu Xie	Leicester
17:00	Chuangxin Zhao	TUD
17:20	Davide Ceresoli	Oxford
17.40	Mingming Tong	UCD

### 18:10 - 18:30 Project Management meeting, Chair: Hong Dong

A dinner will be held at Lincoln College on Thursday 7<sup>th</sup> April. This will start at 7.30pm and will be in The Hall at Lincoln College.

**Day 2: Friday 08 April 2011, Project Consortium Meeting (joined by the Advisory Committee)**

**Morning Session Chair: Helen Atkinson**

9:15 - 10:30	6 month WP plans	
	List of planned deliverables	HD
	Work package 1& 8	LH
	Work package 2	HD + DB
	Work package 3	HD
	Work package 4	DB
	Work package 5	RM + SLP
	Work package 6	IMR
	Work package 7	SW

10:30 - 11:00 Tea break

11:00 - 12:20 Open discussion on future plans, including the dates for the next Consortium Meeting

12:20 - 12:30 Closing remarks (HD)

**12:30 - 13.30 Lunch**

**13:30 - 15:30 Advisory committee meeting; Chair: Lee Smith  
(meeting room 4, Information Engineering building)**

13:30-15:30 to explore Oxford, colleges and museums (for Mintweld project members)

Additional supporting documents to be circulated closer to the date of the meeting