



MintWeld Project Consortium Meeting

September 26-27, 2011

ISPL, Poland

Agenda

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

University College Dublin	David Browne, Greg Duggan, Mingming Tong
University of Oxford	Alan Cocks, Hiroto Kitaguchi, Sergio Lozano-Perez, Davide Ceresoli? Olga Barrera
Tata Steel	Sally Parker?, John Marsden?
Delft University of Technology	Chris Kleijn, Ian Richardson, Anton Kidess, Sasa Kenjeres?, Chuangxin Zhao?,
TWI Limited	Roger Barnett, Mike Gittos?
Institute of Welding	Tomasz Pfeifer, Others?
FRENZAK Sp	Aleksander Zak, other?
Ecole Polytechnique Federale de Lausanne (EPFL)	Jon Dantzig
University of Leicester	Hongbiao Dong, Lisa Hawkins, Mykhailo Melnykov, Ali Tahaei, Mike Dodge

Lijuan Zhang – Invited guest

Apologies:

Name	Organisation
Tata Steel	Shuwen Wen
University of Oxford / EPFL	Nicola Marzari (moving to EFPL)
Royal Institute of Technology	Lars Høglund
Norwegian University of Science and Technology (NTNU)	Wajira Mirihanage, Ragnvald Mathiesen (X-ray experiment at ESRF)
University of Leicester	John Fothergill, Helen Atkinson, Ruslan Davidchack, Yu Xie, Jun Liu

Day 1: Monday 07 April 2011, Project Consortium Meeting

Morning Session Chair: Tomasz Pfeifer (TP)

09:30 – 10:00 Arrival and coffee

10.00 - 10:10 Opening address (ISPL representative)

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

10:30 - 10:40 Progress and remaining issues for Month 24 report (HD)

10:40 - 12:00 Summary of Deliverables

Del. No.	Deliverable name	WP no.	Nature		Delivery Date
D5.2.2	Stage implementation at synchrotron X-ray line	5	P, R	PP	Month 20
D6.1	Model weld pool construction, capabilities and limitations	5	P, R	PP	Month 21
D3.1.1	Improved <i>ab-initio</i> molecular dynamics algorithms	3	P, R	PP	Month 22
D2.2.3	A prototype <i>Data Exchange Framework (DEF)</i>	2	P, R	CO	Month 24
D4.2.1	Validated CFD model for hydrodynamics and mixing	4	P,R	PP	Month 24
D6.2	Velocity & Temp profiles for different boundary conditions	6	R	PP	Month 24
D6.5	Parent material structure & properties characterisation	6	R, P	CO	Month 24
D2.2.4	An advanced MINTWELD DEF	2	P, R	CO	Month 24
D3.2.6	PFC model with vacancy stabilisation	3	P,R	PP	Month 24
D4.1.1	Front-tracking predictions for melting stage of welding	4	P,R	PP	Month 24
D6.3	Experimental data from CFD modelling for surface shapes and velocity profiles, 3D weld pool chemistry maps	6	R,O	CO	Month 24

12.00 - 13.20 Lunch

Afternoon Session Chair: Aleksander Zak

13:00 – 18:20 **Technical sessions from project researchers**

13:20	Jon Dantzig	EPFL
13:40	Mike Dodge	Leicester
14:00	Greg Duggan	UCD
14:20	Anton Kidess	TUD
14:40	Hiroto Kitaguchi	Oxford
15:00	Hong Dong	Leicester

15:20	Tea	
15:40	Mykhailo Melnykov	Leicester
16:00	Wajira Mirihanage (HD to present)	NTNU
16:20	Ali Tahei	Leicester
16:40	Davide Ceresoli	Oxford
17:00	Olga Barrera?	Oxford
17:20	Lisa Hawkins	Leicester
17.40	Mingming Tong	UCD

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

A dinner will be arranged from 7pm to be advised

Day 2: Tuesday 27 2011, Project Consortium Meeting

Morning Session Chair: Hong Dong

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 (to be presented by..)

10:30 - 10:40 Summer school and next consortium meeting

10:40 - 11:00 Tea break

11:00 - 12:00 Open discussion on future plans and closing remarks (HD)

12:00 - 13.30 Lunch

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