

# CERMAT2 Kick-off & Supervisory Board meeting

## Agenda

**Time:** Friday 24<sup>th</sup> of January 2014

**Venue:** Department of Civil, Environmental and Mechanical Engineering, Via Mesiano 77, Trento

09:00 – 09:30 Introduction by the Project Officer (P. Cielo)

09:30 – 10:00 Introduction by the Coordinator (A. Piccolroaz)

Presentation of Partner Institutions and their PhD project(s)

10:00 – 10:30 UNITN (A. Piccolroaz)

ESR1: Mechanical modelling of ceramic materials

(Career development plan, Scot Swan)

ESR2: Optimal forming and sintering of ceramic compounds

10:30 – 10:45 AU (G. Mishuris)

ESR3: Theoretical and numerical methods for thin interphases with applications to damage processes near singular points (damage nucleation, crack initiation) in ceramic multilayered structures

ESR5: Dynamic problems for imperfect interfaces with applications to ceramic composites

10:45 – 11:00 UoL (N. Movchan)

ESR6: Filtering and focussing effects for elastic waves in periodic composite structures

11:00 – 11:30 Coffee break

Presentation of Partner Institutions and their PhD project(s)

11:30 – 11:45 RUT (F. Stachowicz)

ESR4: Explicit and implicit integration of constitutive equations in ceramic forming processes.

ESR7: Microstructural and strain analysis of damage processes taking place in neighbourhood of defects in piezo- electric ceramic material

11:45 – 12:00 BU (V. Buljak)

ESR8: Development of inverse analysis procedure for multi-scale characterization of advanced ceramic materials

12:00 – 12:15 CEREL (M. Gromada)

ER1: Development of oxygen membranes and ceramic seals manufacturing technologies for application in device for oxygen separation from air.

12:15 – 12:30 VESUVIUS (S. Romero Baivier)

ER3: Development of a new constitutive model for the simulation of behaviour of rock-like materials and innovative experiments protocols for ceramics.

12:30 – 14:00 Lunch

## Presentation of Partner Institutions and their PhD project(s)

14:00 – 14:15	ES (S. Di Rosa) ER 2: Development of computational software tools for industrial applications.
14:15 – 14:45	Discussion and Election of the Supervisory Board
14:45 – 15:30	Planning of Network-wide Training
15:30 – 16:00	Coffee break
16:00 – 16:45	Recruitment (Definitions and Strategy)
16:45 – 17:30	Administration, Organisation, and Financial Issues (I. Jatro)
17:30 – 18:00	Discussion and questions

## List of Participants:

	<b>Institution</b>	<b>Name</b>
1	UNITN	Andrea Piccolroaz
2	UNITN	Irena Jatro
3	UNITN	Mirella Collini
4	UNITN	Scot Swan
5	ES	Silvia Di Rosa
6	AU	Gennady Mishuris
7	AU	Adam Vellender
8	UoL	Natasha Movchan
9	UoL	Alexander Movchan
10	RUT	Feliks Stachowicz
11	CEREL	Magdalena Gromada
12	BU	Vladimir Buljak
13	VESUVIUS	Severine Romero Baivier
14	VESUVIUS	Simon Poly

## Supervisory Board

15	IPPT	Stupkiewicz Stanisław
16	CNR-ISTEC	Anna Tampieri

## Project Officer

17	REA	Paola Cielo (via video-conference)
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