

SECOND CALL FOR PAPERS

The 10th WORKSHOP

DYNAMIC BEHAVIOUR OF MATERIALS AND ITS APPLICATIONS IN INDUSTRIAL PROCESSES

Poznan, 24-26 August, 2016



Poznan University of Technology
Institute of Structural Engineering

Co-organized by



& Partners



IOP Institute of Physics



Commission for Mechanical
and Structural Engineering Sciences
P A S branch Poznan



General

Within the last years, a consortium of Universities and Research Centers including the University Carlos III of Madrid, the National Engineering School of Metz (now a department of the Lorraine University), the Polytechnic University of Poznan and the Institute of Fundamental Technological Research of the Polish Academy of Sciences, Warsaw, have been organizing an annual International Workshop devoted to the dynamic behaviour of materials. The Workshop is conducted with the collaboration of DYMAT Association.

Aims and Scope

The Workshop will cover experimental, theoretical and numerical aspects of the mechanical behaviour of solids at high strain rates. The works based on specific industrial applications are welcome. The following main sessions are intended:

1. Constitutive modelling
2. Experimental investigations
3. Modelling and numerical simulations
4. High speed impact and machining
5. Metal forming and other industrial applications

Plenary lectures



New Experimental Attempts
in Fatigue Damage Analysis

Zbigniew Kowalewski
Polish Academy of Sciences



Biological Materials Under
Intermediate Strain Rate
and Blast Loading

William G Proud
Imperial College London



Size Effects in Nanoscale Metallic
Structures: From MD Simulation
to Strain Gradient Plasticity

George Z Voyiadjis
Louisiana State University

Conference Venue and Website

Scientific events will take place at the Poznan University of Technology Educational Center, Piotrowa 3 St. in Poznan, POLAND.

Conference website:

www.workshop2016.put.poznan.pl

Scientific Committee

- **T Lodygowski (PUT, Poznan) – Chairman**
- **W Sumelka (PUT, Poznan) – Co-Chairman**
- A Arias (UC3M, Madrid)
- Z Azari (LU, Metz)
- N Bahlouli (ISU, Strasbourg)
- Ezio Cadoni (SUPSI, Switzerland)
- C Czarnota (LU, Metz)
- D Eakins (ICL, London)
- A Glema (PUT, Poznan)
- Guoxing Lu (SU, Melbourne)
- T Fras (ISL, Saint Louis)
- T Jankowiak (PUT, Poznan)
- W Kakol (PUT, Poznan)
- R Kubler (AMP, Aix en Provence)
- P Lipinski (LU, Metz)
- E Lach (ISL, Saint Louis)
- G List (LU, Metz)
- H Miguelez (UC3M, Madrid)
- E Markiewicz (VU, Valenciennes)
- S Mercier (LU, Metz)
- M Nishida (NIT, Nagoya)
- Z Nowak (IPPT, Warsaw)
- R Othman (KAU, Saudi Arabia)
- R B Pecherski (IPPT, Warsaw)
- W Proud (ICL, London)
- R Vignjevic (BU, Brunel)
- D Rittel (Technion, Haifa)
- B Reck (ISL, Saint Louis)
- A Rusinek (LU, Metz)
- G Sutter (LU, Metz)
- B Wang (BU, Brunel)
- P Verleysen (GU, Ghent)
- G Z Voyiadjis (LSU, Baton Rouge)
- R Zaera (UC3M, Madrid)
- H Zhao (LMT, Cachan)
- W Zhong (CAEP, Mianyang)

Local Organizing Committee

- T Gajewski (PUT, Poland) – *Secretary*
- T Jankowiak (PUT, Poland)
- P Sielicki (PUT, Poland)

Important dates

1st May 2016: Deadline for two-page abstract

30th May 2016: Fee payment deadline

24th August 2016: Opening of the workshop

Abstracts

Abstracts should be submitted electronically on-line via workshop2016@put.poznan.pl. Two-page camera-ready extended abstracts in English are due by **1st May, 2016**. Guidelines are available at the **Conference website**.

Authors will receive notification of acceptance of their proposed contribution after a reviewing procedure (**15th May 2016**). A book of abstracts will be distributed to participants during the conference.

Travel and accommodation

Detailed information about:

- conference venue
- travel
- accommodation and tourist attractions

are available at the **Workshop 2016 Conference website**.

Financially supported by

DYMAT and Polish Academy of Sciences

Publications

We will encourage all the authors to submit **full length papers** after the conference for publication according to a usual peer review procedure in

Engineering Transactions

www.et.ippt.gov.pl

IMPACT STATS (from Scopus):

SCImago Journal Rank (SJR) 2014 : 0.18

Impact Factor (IF) 2014 : 0.275

Conference fee

Registration fee includes: welcome reception, participation in all sessions, coffee and beverages during two breaks each day, lunches, conference materials and gala dinner.

Standard/Dymat members registration fee:
250 /220 EUR (1100/1000 PLN for Polish participants)

Bank transfer information:

Account Name: Towarzystwo Poligrodzianie

Address: Lanowa 18, 62-081 Przemierowo

Name of Bank: Bank Ochrony Srodowiska S.A. (BOS S.A.)

Account Number: PL 39 1540 1056 2001 8312 9885 0001

SWIFT CODE: EBOS PL PW

Payment title: DBM Workshop2016 - Participant Name and Surname

Contact

For further information please do not hesitate to contact us:

Workshop Poznan 2016

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Chairmen of the Conference: wojciech.sumelka@put.poznan.pl