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Abstract Submission Deadline: MARCH 1, 2020

**ACEX2020**

MALTA · JULY 5 – 9, 2020

**SAVE THE DATE**

**14<sup>TH</sup> INTERNATIONAL CONFERENCE  
ON ADVANCED COMPUTATIONAL  
ENGINEERING AND EXPERIMENTING  
(ACEX2020)**

JULY 5-9, 2020  
MALTA

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## Conference Topics

### AREAS:

MATERIALS MODELLING AND CONSTITUTIVE  
RELATIONSHIPS  
HOMOGENISATION AND LOCALISATION  
PLASTICITY  
IMPACT AND CRASH  
DAMAGE AND FRACTURE  
TRANSPORT PHENOMENA  
FLUID-STRUCTURE INTERACTION  
NANOMECHANICS  
DYNAMICS  
BIOMECHANICS  
ALTERNATIVE ENERGY (WIND, HYDRO, SOLAR  
ETC.)  
ADDITIVE MANUFACTURING, 3D-PRINTING

### MATERIALS:

COMPOSITES AND MULTIPHASE MATERIALS  
POROUS AND CELLULAR MATERIALS  
ADHESIVE SCIENCE AND TECHNOLOGY  
ADVANCED MATERIALS  
NANOMATERIALS  
BIOMATERIALS

### METHODS:

NUMERICAL METHODS  
MATHEMATICAL FOUNDATIONS  
EXPERIMENTAL METHODS

## Plenary Lectures:

In commemoration of  
**Prof. Reddy's 75<sup>th</sup> BIRTHDAY!**

**'MY PROFESSIONAL JOURNEY THROUGH  
MECHANICS RESEARCH: A PERSONAL  
RETROSPECTIVE'**

**J.N. REDDY**

TEXAS A&M UNIVERSITY,  
USA

**'DESCRIPTION OF QUASI-STATIC AND DYNAMIC  
DAMAGE PROCESSES IN 2-PHASE CERAMIC  
MATRIX AND METAL MATRIX COMPOSITES  
REINFORCED BY CERAMIC GRAINS'**

**PROF. DR. TOMASZ SADOWSKI**

LUBLIN UNIVERSITY OF TECHNOLOGY,  
POLAND

**'MULTISCALE MODELS FOR MULTIPHASE  
MATERIALS WITH UNCERTAINTIES'**

**PROF. DR.-ING. TIM RICKEN**

UNIVERSITY OF STUTTGART,  
GERMANY

**'BOUNDARY VALUE PROBLEMS WITH  
STRAIN SOFTENING MATERIALS: WAYS  
TO ENSURE PHYSICALLY SOUND  
RESULTS'**

**DR. HABIL. ALEXEY SHUTOV**

NOVOSIBIRSK STATE UNIVERSITY,  
RUSSIA

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