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7th International Conference on Advanced Materials and Structures - AMS 2018

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Preface

The 7th International Conference on Advanced Materials and Structures - AMS 2018 is organized by the University Politehnica Timișoara with the support of the Politehnica Foundation in collaboration with Óbuda University from Budapest Hungary and Lublin University of Technology Poland.

The AMS 2018 conference celebrates the 95th anniversary of the Strength of Materials Laboratory from University Politehnica Timișoara.

The conference Advanced Materials and Structures (AMS'18) was held between 28 to 31 March 2018 at Timisoara, Romania and it is the seventh edition of the scientific event organized by the Department of Materials Engineering and Manufacturing and Department of Mechanics and Strength of Materials in collaboration with the Politehnica Foundation.

The main topics of the AMS 18 were:

- Advanced materials - amorphous, nano-structured materials, composites, cellular materials, biomaterials etc.
- Surface engineering
- Modern fabrication, joints and recycling technologies
- Materials damage under time-dependent-actions (fatigue, creep, impact, corrosion)
- Computational techniques for advanced engineering materials and structures

Proceeding of 7th International Conference on Advanced Materials and Structures - AMS 2018 is a collection of papers presented by researches in area of advanced materials, with all important aspects: technology of fabrication, property characterization, advanced applications, investigation and mathematical modelling.

The organizers are grateful to all the people that have made possible this conference. Special thanks to the POLITEHNICA Foundation.

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