

## Foreword

On behalf of the organizing committee of the 13th International Conference MTeM 2017 - AMaTUC, I would like to express a warm "Thank You" to all the participants, for their important contribution, they brought to the Conference! I strongly appreciate the contribution of the authors, who submitted valuable papers and agreed to do successive revisions of their papers, following the recommendations received from the reviewers.

The aim of the AMaTUC - MTeM Conference was to bring together experts in Manufacturing Engineering, in order to exchange ideas and make new connections to extend and develop partnerships between the researchers from Romania and other European Countries.

We received more than 100 articles, which were peer reviewed by the International Scientific Committee and they were also cross checked for similarities, for good scientific practice in publishing. Only 83 articles are accepted for publication in the MTeM-AMaTUC Proceedings. These articles are grouped within 8 chapters, which are the topics of the conference. About half of the participants came from abroad, 45 articles having authors from 14 countries, which proves that the MTeM-AMaTUC Conference was really international!

The MTeM-AMaTUC Proceedings 2017 are being published online with open-access in a volume of MATEC Web of Conferences (<https://www.matec-conferences.org/forthcoming>).

Many thanks to the members of the Scientific Committee, who accepted to do the reviewing free of charge, which spent their time and effort to bring a substantial contribution to the AMaTUC - MTeM 2017 Conference, by providing professional evaluation of the papers and suitable recommendations.

During the AMaTUC-MTeM Conference, other important meeting was held in parallel with the Conference sessions: The Consortium meeting of the Deans and other representatives from the Mechanical and Industrial Engineering Faculties from Romania. This National Consortium meeting was organized within the AMaTUC-MTeM 2017 Conference in Cluj-Napoca, as quite many of the Deans from different faculties from Romania, presented also scientific papers within the MTeM Conference.

I am grateful to the AMaTUC partners from Germany, England and Luxembourg, for their support in boosting the scientific excellence and innovation capacity in additive manufacturing of the Department of Manufacturing Engineering (DME) from TUCN and for their support in organizing this Conference. Bringing over the FabBUS mobile 3D Printing laboratory from Aachen was great, to be explored by the AMaTUC-MTeM Conference participants, in Cluj-Napoca.

My colleagues from the DME have done their best and without their excellent work it would have been impossible to organize this event. Thank you very much to the Organizing Committee!

We have received excellent feedback up to now, from all the participants, saying they were having fruitful scientific activities and they spent enjoyable days, during the AMaTUC-MTeM 2017 Conference!

Professor Nicolae Balc  
Chairman of the MTeM-AMaTUC International Conference



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