Dear Researcher/Professor,

Associate Professor Dr. H. Yavuz and Assistant Professor Dr. D.H. Utku are organizing an edited book entitled "**Engineering Applications in Advanced Structural Materials**" to be proposed for **CRC Press** publisher. It is of pleasure to formally invite you to be an author for one or two chapters of the book.

Being amongst the leading researchers in this area, your conribution will be a worthy addition to the book. We strongly believe that your expertise and knowledge in the particular area will provide high impact to other scientists, industries, and communities as well. Your contribution may be in the form of your latest research or a review article related to the content of the book.

Subjects of the book specifically cover

Aerospace & Aviation Engineering, Industrial Engineering and Manufacturing as well as Structural Mechanical Engineering.

Topics related to the book will be composed of

- Aerostrutures
- Electric aircrafts and structures
- Multi-scale structural analysis and design
- Intelligent manufacturing
- Supply chain management
- Simulation
- Optimization
- Market analysis

Both review and research articles of high quality, are most welcome. The articles will be reviewed by experts in the respective fields prior to the publication. There are no printing charges for the manuscripts to be published.

Aerospace materials and structures as well as multiscale structural analysis and design would focus on ultra-light aircraft, robotic aircraft, and hybrid aircraft with emphasis on market segmentation such as surveillance, research, cargo transport, and/or manned and unmanned aircraft associated with solar, storage cell, and fuel cell electric aircraft are most welcome. Intelligent manufacturing would cover the impact of modern technologies such as big data & analytics, and artificial intelligence in aerostructures analysis and design. Simulation and optimization applications that are used in aerospace & aviation engineering evaluate behavior of systems and manage effective comparison of alternative system designs. Review articles may be targeted towards aerostructures associated with manufacturing issues as well as logistics and supply chain management, and service systems with market analysis in the frame of recent trends, restraints, technological advancements/innovations, trade restrictions, value chain efficiency, regulatory changes, competitive industry growth studies, categorization of industry growths, industry specializations, and supremacy, assessment of risk.

Below is the list of important due dates to be taken action.

1. Submission of abstract (150 words maximum): 30 December 2022
2. Notification of acceptance of abstract: 30 January 2023
3. Submission of completed manuscript: 30 June 2023

4. Revision of manuscript: 30 September 2023

The manuscript should be prepared more than 5000 words or approximately 20 pages including references, double spacing and 12 points of Times New Roman type of font.

For your information, no fee for the publication is requested.

Kindly send e-mail to hande.yavuz@structuralintegrity.eu and dhutku@thk.edu.tr

Please feel free to contact me if you have more specific questions. I will be happy to answer them as soon as possible.

Looking forward to a positive response.

Assoc. Prof. Dr. Hande Yavuz

Edited Authors:

Associate Prof. Dr. Hande Yavuz received her Ph.D. with High Honors from Ecole Centrale Paris in 2012. She served as a researcher/coordinator in numerous national and international aerospace and defense projects since 2007. One of those projects realized in the frame of an ANR (Agence Nationale de la Recherche) PROCOM Project under the coordination of EADS IW (European Aeronautic Defence and Space Co. Innovation Works, currently Airbus Group). Within the collaboration of several industrial partners and research institutions such as Ecole Normale Superieure Cachan PPSM CNRS UMR 8531, Supelec LGEP CNRS UMR 8507, and ICM Paris-Est MCMC CNRS UMR 7182, continuous hybrid reinforcements for aerospace applications were successfully developed. She published more than 30 scientific papers in several journals and conferences notably in aerospace, mechanics, and materials fields. She held certificates in Project Management for Aerospace Professionals and Aerospace Applications of Systems Engineering both from the Faculty of Engineering at the University of Kansas (USA) in 2013 and Data Science from Booz Allen in 2015. She serves as a referee in various scientific journals including Aircraft Engineering and Aerospace Technology.

Her research interests cover structural materials, mechanics of multi-functional composite structures, process design, mathematical modeling, and characterization of materials. Currently, she works as an associate professor of aerospace engineering in OSTİM Technical University. She is a member of European Structural Integrity Society, GDR “Graphene and Nanotubes” GNT, Groupement des Centraliens de l'Aéronautique et de l'Espace, Groupement des Centraliens de l'Automobile, Association de l'Ecole Centrale Paris, Centrale au Féminin.

Assistant Prof. Dr. D.H. Utku

Assistant Professor Dr. Durdu Hakan Utku has received his MS Degree at Bilkent University (Ankara/Turkey) and Ph.D. at Gazi University (Ankara/Turkey) both in industrial engineering. He held certificates in systems engineering at the Systems Management Sciences Department of Turkish Military Academy in 1998 and Foreign Trade at the Turkish Foreign Trade Foundation in 2015.

His research interests are production planning and control, supply chain management, NG and LNG supply chain, systems simulation, design and analysis of experiments. Currently, he works as an assistant professor of industrial engineering in the University of Turkish Aeronautical Association.