

**The first meta-material webinar of the engineering and science webinar series is held**

Faculty members in the Engineering and Natural Sciences Department at AYBU organized the first engineering and science webinar series of meta-materials on the Zoom platform.

Dr. Mostafa Ranjbar from Mechanical Engineering made a presentation with the title “An introduction to bio-inspired auxetic meta-materials designed for vibroacoustic applications ” in the webinar with worldwide participants. The two-section webinar started with Dr. Ranjbar’s lecture and continued with the question and answer section.

This webinar series is morally supported by the Ankara Yıldırım Beyazıt University, organized by Dr. Ranjbar’s group members, and hosted by Dr. Begum Unveroglu from Metallurgical and Materials Engineering as a webinar moderator.

The next webinar will be on the “Designer materials with enhanced functional properties” on the 3<sup>rd</sup> of July at 3.00 pm by Dr. Mohammed Mirzaali from the Technical University of Delft. For registration, please e-mail [aybu.metamaterial@gmail.com](mailto:aybu.metamaterial@gmail.com).

FREE WEBINAR SERIES #1

# AN INTRODUCTION TO BIO-INSPIRED AUXETIC META-MATERIALS DESIGN FOR VIBROACOUSTIC APPLICATIONS

Assoc. Prof. Dr. Mostafa Ranjbar  
ANKARA YILDIRIM BEYAZIT UNIVERSITY



*Dr. Ranjbar is currently working on the design of bioinspired metamaterials for medical (health) and NVH applications.*

**JUNE 19 FRIDAY | 3:00-3:30 PM (+3 GMT)**

Please register for Zoom invitation

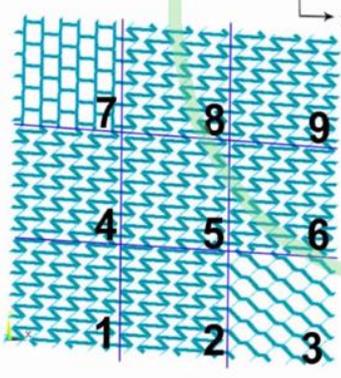
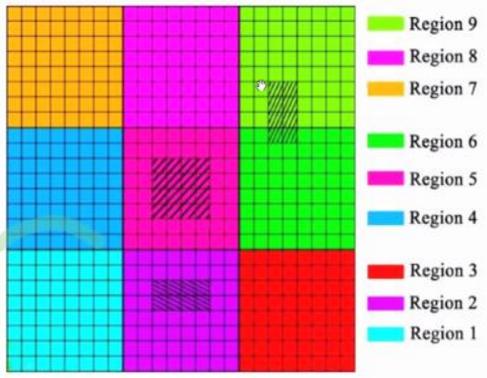
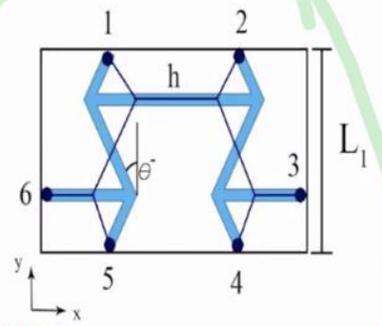




ibroacoustic design of Auxetic S... x

# Gradient Topology

- Nine different regions with varying internal cell angles
- Unit cell with 6 fixed points



Remaining Meeting Time: 04:03



Mostafa Ranjbar



Yusuf Orhan



776 6332 7266



Begum Unveroglu



HAKAN ZAFER KIZILKAYA



Arman Mohseni



Pitu Suwarta



Çağrı Kılıç

Monica

Ibrahim



Caner Baydur



Mustafa Çalınbörk



saina farrokhpour

Ramin Hamzehei

Juan-Pablo Leiva



Oguzhan BAS



Parul Dawar



Eagle Helirobot



Adnan Akman

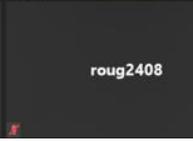
Anastasia



Mina Nazari



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