

**April 17, 19, and 21, 2023 – 11:00am-1:00pm,  
2:30pm-4:30pm**

## **Prof. Holm Altenbach**

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# **Mechanics of Deformable Solids for Advanced Structural Materials**

Common advanced engineering materials are reaching their limits in many applications, and new developments in modeling the material behavior are required. The performance of materials can be improved by design new alloys or combining different materials to achieve better properties than with a single constituent (examples are sandwiches, laminates, particle or fiber reinforced composites, concrete). In addition, sometimes the interaction between material and structure can occur. The course addresses the fundamental relationships for the structural analysis and the material mechanics modeling.

Program:

[https://phd.uniroma1.it/web/course---mechanics-of-deformable-solids-for-advanced-structural-materials\\_ns5099EN\\_EN.aspx](https://phd.uniroma1.it/web/course---mechanics-of-deformable-solids-for-advanced-structural-materials_ns5099EN_EN.aspx)

Registration form:

[https://docs.google.com/forms/d/e/1FAIpQLSdExtFMAsaczjcNKsZfrj1st3OXEIPa\\_gXZTA0nvQ6cJvXSmRg/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSdExtFMAsaczjcNKsZfrj1st3OXEIPa_gXZTA0nvQ6cJvXSmRg/viewform?usp=sf_link)

