



SCI NEWS

SEPTEMBER 2020



Since the previous newsletter, many more of you have returned to the campus environment during at least part of the working week. Thanks to everyone's respect for the important distancing rules which we must continue to follow, our teaching and research activities continue to function very well. While we hope to avoid a resurgence in infections in Sweden, recent developments in many parts of Europe, and in other countries, should remind us how important it is not to underestimate the current risks!

September has been an intensive period, mostly devoted to strategic discussions at School level. Our immediate priorities will be concentrated on: infrastructure; the balance between internal/external funding; digital developments in education; and, gender balance in recruitments. You will hear a lot more on these subjects in the near future from your Head of Department. Another focus point is the new organisation of Albanova in light of Akademiska Hus taking over buildings, and KTH taking formal responsibility for the management, at the end of the year. More news on this will follow in future newsletters.



Sandra Di Rocco, Head of School



Interview with Fredrik Lundell

Almost nine months have passed since the Departments of Aeronautical & Vehicle Engineering, Mechanics and Solid Mechanics merged and formed the Department of Engineering Mechanics. The Head of Department Fredrik Lundell tells us about his experiences so far.

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Department-nominated teachers

To highlight the continued hard work of all teachers at SCI during the pandemic, Department-nominated teachers will briefly explain their course layouts in a series of articles during the next few months.

This month's teachers are:



Mattias Blennow



Mats Wallin

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SCI-faculty elected into Sveriges unga akademi

The Young Academy of Sweden has admitted 8 new members from universities in Gothenburg, Linköping, Lund, Stockholm, Umeå and Uppsala.

Among these were Lucie Delemotte and Shervin Bagheri from SCI. (Article only in Swedish)



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KTH and SU search for a new Director at AlbaNova

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We welcome Roger Berg to SCI

On July 1st, Roger Berg joined the faculty as adjunct professor in Marine Systems. Roger works at Saab Kockums in Malmö, which is a business unit within the Saab Group.

Kockums develops, designs, constructs and maintains naval ships, submarines and related products, including autonomous systems.

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We congratulate

Recent doctoral graduates

Mikael Kördel

Physics, Biological and Biomedical Physics
Biological Laboratory X-Ray Microscopy

Shaozheng Ji

Physics, Material and Nano Physics
Photo-induced Structural Dynamics in Transition Metal Dichalcogenides

Nasrin Altafi Rahlighi

Mathematics
Lefschetz properties and Jordan types of Artinian algebras

Ludwig Brandt

Biological physics
NK Cell Cytotoxicity at the Single Cell Level

Alexander Fuchs

Engineering Mechanics
Assessment of predicting blood flow and atherosclerosis in the aorta and renal arteries

Magnus Boåsen

Solid Mechanics
Modeling of structural integrity of aged low alloy steels using non-local mechanics