

# **SCI NEWS**

**JANUARY 2021** 



The current course of the pandemic means that we start the Spring Term under more restrictive remote-working instructions. These restrictions are in place to provide a safe environment for colleagues who need to work on campus and, of course, to contribute to the general effort to slow down the spreading of the Covid-19 virus.

Thanks to all of you for respecting these restrictions and shouldering the responsibility

needed to ensure a safe workplace. We are all aware of the psychological and physical stress caused by prolonged remote-working. The School will do its best to provide help and support. If you need assistance, don't hesitate to contact your Department Head. Some good advice can be found at <u>https://intra.kth.se/en/campus/sakerhet/kris/corona/fragor-och-svaranstallda-1.1023121#01</u> and <u>https://intra.kth.se/en/anstallning/arbetsmiljo/ergonomi-och-</u> <u>arbetsg/ergonomi-vid-hemarbete-1.1028336</u>

Last but not least, I am pleased to announce that the School's business plan (verksamhetsplan) for 2021 is now available at <u>https://intra.kth.se/sci/dokument/styrdokument/sci-verksamhetsplan</u> I hope that you will all take a look and acquaint yourselves with current and upcoming priorities at the School.



Sandra Di Rocco, Head of School



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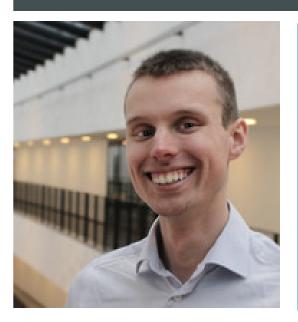
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## **Mathematics of Data and Al**

Interview with Katharina Jochemko, Kathlén Kohn Martina Scolamiero and Liam Solus, who are Assistant Professors at the newly established division "Mathematics of Data and AI" which is funded by WASP and Brummer & Partners MathDataLab.

MORE





## Interview with Johan Nordstrand

We have met Johan Nordstrand, a Doctoral student from the research group Functional & Nano Materials (FNM), Department of Applied Physics for an interview. Johan has recently participated in the conference The Global Youth Science Seminar (GYSS) and we would like to hear more about the conference and his research.



### Digital virtual lab

Ulrich Vogt, Professor at the Department of Applied Physics, who usually has physical labs in his course. During the pandemic he had to transition to digital labs. In this interview, he tells us about his experiences.







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# We congratulate

**Per Hallander** (Saab AB Aeronautics), Engineering Mechanics Department, re-appointed as Affiliated Faculty in lightweight structures, 2021-01-01 – 2023-12-31.

## **Recent doctoral graduates**

### **Dmitry Romanshchenko**

Physics, optics and photonics Peripheral Optics of the Human Eye: Applied Wavefront Analysis

### Aku-Jaakko Alexis Kammonen

Applied mathematics and computational mathematics Numerical algorithms for high dimensional integration with application to machine learning and molecular dynamics

### **Martina Favero**

Applied mathematics and computational mathematics Asymptotics, weak convergence and duality in population genetics

### Harsha Cheemakurthy

Vehicle Engineering Efficient commuter craft for urban waterborne public transportation

**Gustav Marin** Solid Mechanics On the relation between paperboard properties and packaging performance