

## Thesis work student in the field of experimental structural dynamics wanted

We combine **acoustics, aerodynamics and structural dynamics** to make use of the synergies there between, to develop new ideas and innovative products, e.g. applications for active noise & vibration control, active flow control for cars, Structural Health Monitoring.

Today, Creo consists of 15 co-workers with a DNA from the aerospace and automotive industries. We participate in complex development projects and we are passionate about pioneering and innovative solutions.

We strive to be the best and to continuously further our skills. This is why we sharpen our competences by participating and contributing in national and international research projects. Visit our website for more information about our company: [www.creodynamics.com](http://www.creodynamics.com)

We are looking for a **student for a thesis work** within the field of experimental structural dynamics with application to structural integrity and health monitoring. The objective of the project is to investigate innovative vibration based techniques for the detection and characterization of damage in complex composite structures. The work is mainly of experimental nature with an emphasis on vibration and acoustic signal acquisition, signal processing and modal analysis of aerospace structures.

The work planned will be performed closely with a parallel project focusing on simulation of the effect of damage on the structural dynamics of aerospace composite components and structures.

Desired background for thesis work student: Student with a major within structural dynamic and/or acoustics. Strong interest in experimental techniques and "lab work" is a must.

Location: Linköping

Start: Januari 2012

### Does this sound interesting?

Please contact us for more.

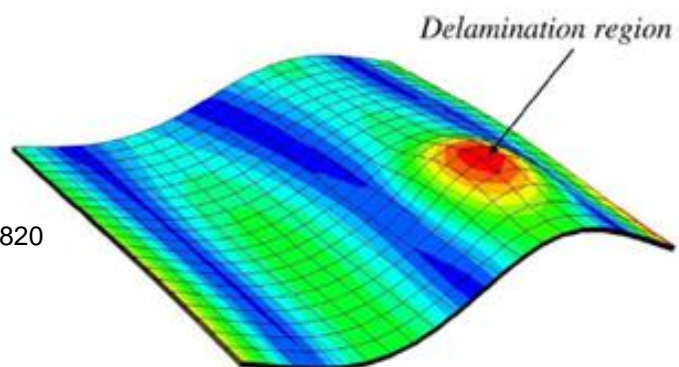
information or to apply:

Gustav Kristiansson (CEO) +46 (0) 705-142820

[gustav.kristiansson@creodynamics.com](mailto:gustav.kristiansson@creodynamics.com)

Christophe Mattei (PL) +46 (0) 705-142997

[christophe.mattei@creodynamics.com](mailto:christophe.mattei@creodynamics.com)



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### Creo Dynamics AB

Postadress  
Postal address

SE-582 16 Linköping  
Sweden

Besöksadress  
Visiting address

Westmansgatan 37  
Linköping

Telefon  
Telephone

+46 (0)705 14 28 20

E-post  
E-mail

[info@creodynamics.com](mailto:info@creodynamics.com)

Organisationsnummer  
Registered No

556755-3069

Momsregnummer  
VAT No

SE556755306901