

## SPACE UPSTREAM SEMINAR

Future perspectives, business opportunities and challenges

**Date and time:**  
Thursday, 27<sup>th</sup> of  
August 2015

10:00-15:30

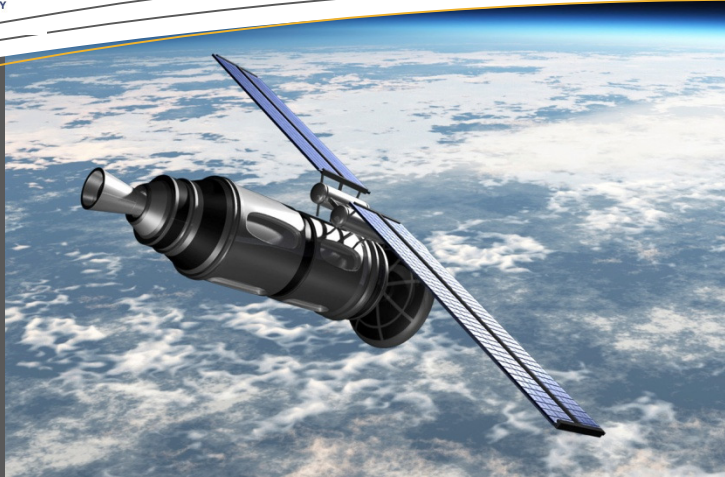
**Place:**  
Technical University of  
Denmark (DTU).  
Anker Engelunds Vej 1  
DK-2800 Kgs. Lyngby  
Bygn. 101

The Danish upstream space industry consists of many actors and activities ranging from e.g. nanosatellites over very advanced measuring equipment to auxiliary equipment for development activities within launcher technology. The highly advanced technology existing in all aspects of space upstream has a great impact on other industries and society.

This seminar will focus on the business opportunities in the space upstream market and illuminate the future perspectives and challenges.

### Programme

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| <b>10:00</b> | <b>Welcome</b><br>Poul-Erik Hansen, Director Business Networks, Censec/Inno-Pro  |
| <b>10:05</b> | <b>Setting the scene</b><br>Spaceflight is experiencing extremely rapid changes in both technology base and its use. Discussion of the radical changes this projects for the upstream market size and topology.<br>John Leif Jørgensen, Professor in Space Technology, DTU Space |
| <b>10:35</b> | <b>The space industry in a European perspective</b><br>An insight into the business opportunities in a European perspective.<br>Jørgen Sandberg, ret. European Space Agency  |
| <b>11:05</b> | <b>Break</b>   |
| <b>11:15</b> | <b>The opportunities of the Danish space industry – from an American perspective</b><br>John Culton, IAF's Entrepreneurship and Investment Committee/PhD Student   |
| <b>11:45</b> | <b>Nano-satellites and the importance of complete space solutions</b><br>Lars Alminde, Chief Sales Officer, GomSpace   |



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- 12:15**      **SpaceCom A/S - Challenges and opportunities in the industry**  
Peter Nielsen, CEO, SpaceCom A/S
- 12:45**      **Lunch and networking**
- 13:30**      **Space science forms the basis for a high-tech industry**  
Allan Hornstrup, Head of Astrophysics, DTU Space, National Space Institute
- 14:00**      **Extreme innovation – a different approach to upstream design**  
How to exploit the possibilities in a high-tech industry for development of Danish space upstream products.  
Kristian von Bengtson, Space Capsule Designer, Copenhagen Suborbitals
- 14.30**      **Applications in the field of navigation earth observation for rescue and environmental monitoring**  
Lars Holstein, Project Manager, Satellite Navigation Berchtesgadener Land
- 15:00**      **Next step and networking**  
Poul-Erik Hansen, Director Business Networks, CenSec/Inno-Pro

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- Place:** Technical University of Denmark (DTU), Anker Engelunds Vej 1, 2800 Lyngby
- Price:** Participation is free, but participants must pre-register. No-show fee DKK 500,-
- Registration:** Githa Grum-Schwensen, CenSec, phone: +45 5213 1541, mail: [githa@censec.dk](mailto:githa@censec.dk).  
Deadline: 20<sup>th</sup> of August