

René Laufer

Professor at LTU

Test and Research at Luleå University of Technology

- Theme 2: Testing of Space Vehicles and Technology -

René Laufer
Kiruna Space Campus
Luleå University of Technology
1 December 2021



Kiruna Space Campus



1957



2000



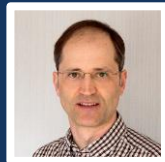
Swedish Institute of Space Physics (IRF)
EISCAT Scientific Association
Umeå University
Luleå University of Technology

1957
1981 (founded 1975)
1994 (founded 1965)
2000 (founded 1971)



LULEÅ
UNIVERSITY
OF TECHNOLOGY

Space Technology @ LTU Kiruna Space Campus



Atmospheric
Physics Lab

Nano
Satellite Lab

Asteroid
Engineering
Lab

Planetary
Ices Lab

Space
Education
Lab

RIT:
Space for
Innovation
and Growth

Centre of
Excellence
for Space
Technology

Test &
Research
Facilities

Space
Propulsion
Lab

Spacecraft
Avionics
Lab

ASTER

KvarkenSat



RAVEN

FASTER

APTAS

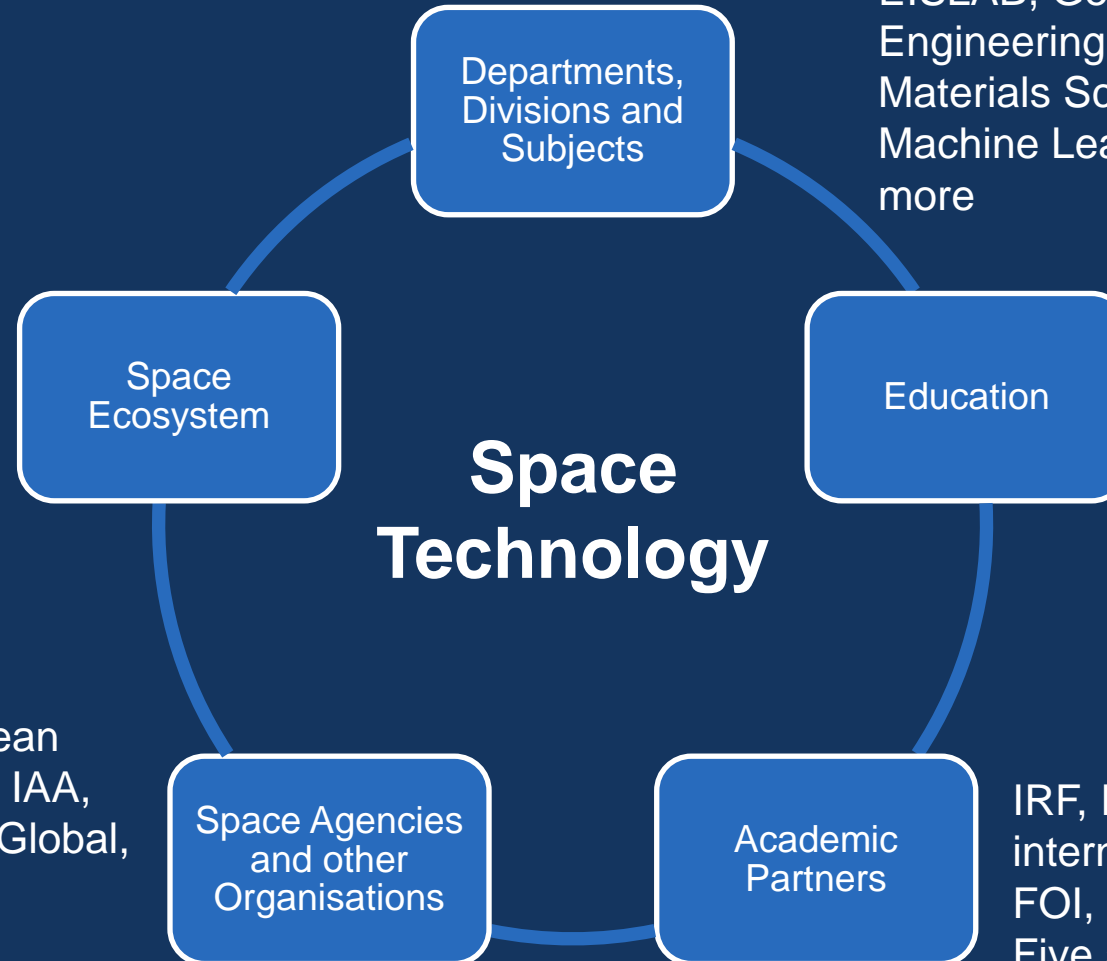
CREATERNITY

Hugin



Connecting Topics and a Network of Partners

SSC, Esrange, Centre of Excellence, Aerospace Cluster Sweden, RIT 2021, KvarkenSpaceEco, LTU Business, Arctic Business Incubator, ESA-BIC, local/national/international start-up and New Space companies and more



EISLAB, Geosciences and Environmental Engineering, Humans and Technology, Materials Science, Signal and Systems, Machine Learning, Robotics and AI and more

Civilingenjör & Master programs, SpaceMaster Consortium, graduate schools (Space, Creaternity), GSO, UNIVERSEH, Erasmus+ Mobility, REXUS/BEXUS and more

Rymdstyrelsen, ESA, European Commission, EUASP, JAXA, IAA, NASA, UN-OOSA, UNISEC Global, SWF and more

IRF, EISCAT, national & international universities, FOI, UNIVERSEH, Arctic Five and more

Centre of Excellence for Space Technology (CRT)

- A focal point for contacts with LTU
- Joint research projects of industry and academia
- Joint grant applications: regional and national
- Shared and collaborative infrastructure
- PhD and Post-Doc programs
- Monitoring of relevant funding calls
- Contact with other center formations and clusters
- Working with a strong space ecosystem in Kiruna



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