

Jakob Rosenkrantz de Lasson

Director | Engineer | Ph.D.

— Curriculum Vitae

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* July 24 1986, Odense, Denmark



Director of Sales and Marketing in the global space sector, with a PhD in engineering and 10+ years of experience in R&D, product leadership, and international sales. Blends technical depth with business leadership and hands-on customer engagement.

Experience

TICRA is a provider of advanced software for antenna analysis and design in the space industry.

2024– **Director of Sales and Marketing** TICRA, Copenhagen, Denmark

- Member of the company management, shaping strategic direction and contributing to organizational development.
- Leading the sales and marketing function with a focus on long-term growth, brand positioning, international expansion, and cross-functional coordination.
- Responsible for key accounts, major sales activities, and customer engagements.

2022–2024 **Head of Team, Sales and Marketing** TICRA, Copenhagen, Denmark

- Managed day-to-day operations of sales and marketing team, including recruitment and management of a four-person team.
- Oversaw account management and provided technical pre-sales support.
- Directed sales budgeting, forecasting, and negotiation of legal terms and export compliance.
- Executed marketing strategy, content creation, and international event planning.

2018–2022 **Product Lead** TICRA, Copenhagen, Denmark

- Led product management for SATSOFT (2018–2020) and ESTEAM (2021–2022), two of TICRA's software solutions for satellite mission design and antenna placement.
- Drove SATSOFT roadmap, customer engagement, product demos, and release management (SATSOFT 3.3 and 3.4).
- Contributed to ESTEAM feature planning and coordination within the TICRA Tools suite.
- Created technical content and marketing material, and collaborated with developers on user-focused design.

2016–2021 **Research Engineer** TICRA, Copenhagen, Denmark

- Developed advanced antenna technologies for ESA-funded space applications.
- Delivered antenna design, consulting, and technical support for satellite missions.
- Managed software development projects and coordinated cross-functional technical teams.
- Authored 1 journal article, 24 conference papers, and presented at 7 international conferences.

2012–2015 **Ph.D. Researcher in Nanophotonics** DTU FOTONIK, TECHNICAL UNIVERSITY OF DENMARK (DTU), Kgs. Lyngby, Denmark

- Conducted theoretical and computational research on photonic crystals, light-matter interaction, slow light, and plasmonic nanostructures.
- Developed numerical methods and advanced simulation tools in MATLAB.
- Published 7 peer-reviewed journal articles and 9 conference papers, and presented at 4 international conferences.
- Supervised B.Sc./M.Sc. student projects and gave guest lectures at DTU.

- 2009-2013 **Teaching Assistant**
TECHNICAL UNIVERSITY OF DENMARK (DTU), Kgs. Lyngby, Denmark
Problem solving sessions and homework grading in six B.Sc. and M.Sc. level courses on physics, mathematics, programming and numerical algorithms.

Education

- 2012-2015 **Ph.D. in Nanophotonics**
DTU FOTONIK, TECHNICAL UNIVERSITY OF DENMARK (DTU), Kgs. Lyngby, Denmark
Ph.D. thesis: "Modeling and Simulations of Light Emission and Propagation in Open Nanophotonic Systems"
Supervisors: Niels Gregersen, Jesper Mørk, and Philip T. Kristensen
- 2007-2012 **M.Sc.Eng. and B.Sc.Eng. in Physics and Nanotechnology**
TECHNICAL UNIVERSITY OF DENMARK (DTU), Kgs. Lyngby, Denmark
Enrolled in DTU's Honours Programme
- 2003-2006 **General Certificate of Secondary Education**
SCT. KNUDS GYMNASIUM, Odense, Denmark

Voluntary Activities

- 2012-2022 **Blogger at ing.dk** Wrote on science, engineering, and research culture at "Forskningsingeniøren".
- 2014-2017 **Presenter at Forskningens Døgn** Popular science talks on nanophotonics and space missions.
- 2011 **Mentor at "Akademiet for talentfulde unge"** Mentoring of three high-school students.

Stays Abroad

- 2015 **External Research Stay** (Group of Prof. Eli Kapon)
ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE, Lausanne, Switzerland
- 2010 **Exchange**
UNIVERSITY OF MARYLAND, College Park, Maryland, USA
- 2006-2007 **Work Abroad**
MAISON DU DANEMARK, Paris, France
- 2002-2003 **Study Abroad**
LYCÉE INTERNATIONAL, Saint-Germain-en-Laye, France

Languages

Danish (Native), English (Fluent), French (Excellent), Spanish (Good), Swedish (Good)

Publications

Editor and co-author of one book.
Author or co-author of 13 journal articles.
Author or co-author of 44 conference contributions.
Publication list available at www.jakobrdl.dk/publications.
Conference talk list available at www.jakobrdl.dk/presentations.