

Jakob Rosenkrantz de Lasson

Director | Engineer | Ph.D.

– Curriculum Vitae

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* July 24 1986, Odense, Denmark



Experience

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

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

- Managed day-to-day operations of sales team, including recruitment and oversight of a four-person team.
- Oversaw account management and provided technical pre-sales consultation for existing and new customers.
- Directed sales budgeting and forecasting processes.
- Developed and managed legal and export control aspects of international sales.
- Led company and product marketing strategy, planning, and production.
- Planned and executed exhibitions and tradeshows.

2021–2022 **Product Lead: Antenna Placement and Scattering**
TICRA, Copenhagen, Denmark

- Product responsible for Antenna Placement and Scattering and the ESTEAM software.

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

- R&D of new antenna technologies for space applications in projects with ESA.
- Publishing (1 journal article, 24 conference contributions) and presentations (7 international conferences).
- Antenna design and consulting for space missions and applications.
- Project management of software development.

2018–2020 **Product Lead: Mission Planning and Analysis**
TICRA, Copenhagen, Denmark

- Product responsible for Mission Planning and Analysis and the SATSOFT software.
- Customer meetings and visits, SATSOFT product demos, collection of market intelligence.
- Prioritization and selection of new product features, user-perspective design of new functionality in collaboration with software engineers. In charge of SATSOFT 3.3 and 3.4 releases.
- Content-creation for SATSOFT tutorial videos, product website and SATSOFT marketing.

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

- Research and mathematical modeling of photonic crystals, light-matter interactions, slow light, coupled cavity-waveguide structures, and plasmonic nanostructures.
- Development of computational techniques and software (MATLAB).
- Publishing (7 journal articles + 9 conference contributions) and presentations (4 international conferences).
- Guest lecturing (B.Sc.) and student project supervision (B.Sc./M.Sc.).

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: Assoc. Prof. Niels Gregersen, Prof. Jesper Mørk, and Dr. Philip T. Kristensen
- 2010–2012 **M.Sc.Eng. in Physics and Nanotechnology**
TECHNICAL UNIVERSITY OF DENMARK (DTU), Kgs. Lyngby, Denmark
M.Sc. thesis: "Electromagnetic Scattering in Micro- and Nanostructured Materials"
Enrolled in DTU's Honors Program
- 2007–2010 **B.Sc.Eng. in Physics and Nanotechnology**
TECHNICAL UNIVERSITY OF DENMARK (DTU), Kgs. Lyngby, Denmark
B.Sc. thesis: "Optical Simulations in an Open Geometry Using the Eigenmode Expansion Technique"
- 2003–2006 **General Certificate of Secondary Education**
SCT. KNUDS GYMNASIUM, Odense, Denmark

Voluntary Activities

- 2012–2022 **Blogger at ing.dk** Blogging at "Forskningsingeniøren".
- 2014–2017 **Presenter at Forskningens Døgn** Popular scientific presentations of nanophotonics and space missions.
- 2011 **Mentor** For three third-year high school students as part of "Akademiet for talentfulde unge".

Stays Abroad

- 2015 **External Research Stay** (Group of Prof. Eli Kapon)
ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE, Lausanne, Switzerland
- 2013 **Summer School**
ÉCOLE DE PHYSIQUE DES HOUCHES, Les Houches, France
- 2011 **Summer School**
INSTITUT POLYTECHNIQUE DE GRENOBLE, Grenoble, France
- 2010 **Exchange**
UNIVERSITY OF MARYLAND, College Park, Maryland, USA
- 2002–2003 **Study Abroad**
LYCÉE INTERNATIONAL, Saint-Germain-en-Laye, France

Languages

Danish	Native
English	Fluent
French	Excellent
Spanish	Good
Swedish	Good
German	Basic

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.