

Björn Agnarsson

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Profile

I'm a 40 year old research engineer with broad experience in research and development and in project management, strategic planning, consulting and data analysis. I have worked in international teams and enjoy interdisciplinary work and challenging undertakings.

I am born in Iceland and have three children and a wife.



Experience

My expertise lies mainly in problem solving, project planning, product development and report writing. I have worked extensively with application of nanotechnology in life science, surface based analytical techniques, micro- and nano-fabrication, optics, microscopy, scientific cameras and general data analysis. I am interested in new emerging technologies, entrepreneurship and innovation and have experience in working both individually and in larger teams.

Research Engineer, Chalmers University of Technology — 2015-Present

Project leader, coordinator, consultant and advisor. I am involved in the development of new analytical methods and devices related to detecting and tracking nanoparticles on surfaces and in bulk (extracellular vesicles, viruses, liposomes and metallic particles).

Post Doctoral Researcher, Chalmers University of Technology — 2011-2015

Fabrication and development of optical sensors at the division of Biological Physics. Member of the European Metrology Research Project: BioSurf.

Teacher and lecturer, University of Iceland — 2004-2010

Lecturer and organiser of courses in physics and teaching assistance in laboratory physics for engineers.

Research and Development Engineer, Lyfjapróun Ltd., Biopharmaceuticals — 2001-2002

Development of a mathematical model describing the immune system. Development of electrical hardware and software for measuring drug induced reactions in mammals.

Research Assistant, Vaki DNG — 2000

Development of new methods and strategies for exact positioning of trawler nets on fishing vessels.

Education

University of Iceland, Reykjavik — PhD., Applied physics 2010

Royal Institute of Technology, Stockholm — Licentiate, Applied physics 2009

Royal Institute of Technology, Stockholm — MSc., Engineering physics 2004

University of Iceland, Reykjavik — BSc., Theoretical physics 2001

Skills and Merits

I have received several educational grants and stipends and given presented research results at international conferences. I have published over 30 peer-reviewed scientific articles and is the inventor of one patent. I have been the advisor for both master and Ph.D. students and acted as consultant for the industry (pharmaceutical and scientific instruments).

References

Kristján Leósson, General Manager at Iceland's Innovation Center. kristjan.leosson@nmi.is

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