

# EIVIND KRISTOFFERSEN



I'm a passionate researcher, international ISO expert and public speaker with collective knowledge of IT, business and sustainability. I'm currently pursuing my PhD in information systems and circular economy at NTNU with a planned defence on Oct. 2021 whilst working part-time as a research scientist at SINTEF.

I research how companies can leverage data and insights from digital technologies (i.e., IoT, Big Data and AI) to enable more sustainable and circular business models. I am particularly committed to conveying the enormous synergistic opportunities in the digital circular economy.

I thrive in multidisciplinary settings where business needs meet state-of-the-art technical solutions and research. I am proactive and independent with a high sense of responsibility. Through expert knowledge and good communication skills, I am a sought-after public speaker and advisor.

Personal website: <https://www.digitalcirculareconomy.com>

## SKILLS

- IT Strategy and Digital Transformation
- Circular Economy and Sustainability
- Thought Leadership
- Research-Industry Communication and Networking
- Business analytics (realizing the potential of IoT, Big Data and AI)
- Business Model Innovation
- DevOps
- Public Speaking

## EXPERIENCE

**Oct 2017 – Present**

**PhD Candidate**, NTNU

I research how the digital circular economy can enhance companies' sustainability impact and overall competitive performance. The thesis '*Towards a Smart Circular Economy: How digital technologies can support the adoption of the Circular Economy*' details novel theory of how companies can align their digital transformation with circular economy principles to increase the efficiency, enhance the effectiveness, and facilitate the implementation of sustainable strategies for increased competitive performance. The work is based on extensive qualitative and quantitative research, framed within an action research framework of the CIRCit research project ([www.circitnord.com](http://www.circitnord.com)).

**February 2019 – Present**

**Research Scientist**, SINTEF

Employed under the Learning and Decision Support research group in the Technology Management department at Sintef Digital. Project lead for the departments strategic circular economy initiative and part of ECERA's (EU circular economy network) expert group for Digital Circular Economy. At Sintef I've contributed to several research projects and applications (NFR and EU), specifically within digitalization and circular economy.

**April 2019 – Present**

**International ISO Expert**, Standard Norway

International expert on behalf of Standard Norway in the development of the new ISO/TC 323 standard on Circular Economy.

**Oct 2017 – Present**

**Work Package Leader**, CIRCit

Part of the CIRCit project lead. Work package leader and responsible for the delivery of "WP04 – Smart Circular Economy".

**Aug 2016 – February 2019**

**Solutions Architect and Community Leader**, Sopra Steria

Community leader for DevOps (a software development methodology enabling 'lean digitalization'). Teacher in Sopra Steria Server Course. Public speaker and university guest lecturer. 1-year information security project for the Norwegian Armed Forces (details are classified).

**Jun 2014 – Aug 2014 & Jun 2015 – Aug 2015**

**Infrastructure Engineer**, Sopra Steria

Summer intern, consulting for the Norwegian Armed Forces (details are classified) and Statkraft – a leading company in hydropower and renewable energy. I programmed an automated IT-solution to determine if Statkraft's computers complied with the latest updates and security patches.

**Jun 2013 – Aug 2013**

**Mechanical Engineer**, Kongsberg Automotive

Summer intern, Kongsberg Automotive provides world-class products to the global vehicle industry for enhanced driving experience, safety, and sustainability. I conducted testing and research for the Research and Development department.

**Jun 2012 – Dec 2012**

**Satellite Engineer**, NUTS – NTNU Test Satellite

Design, development and structural analysis of an all-composite primary structure cubesat. Part of The Norwegian Centre for Space-related Education.

**Jun 2011 – Aug 2012**

**Assistant**, Gjøvik Municipality

Worked as an assistant with demented elderly.

## EDUCATION

**2017 - Present**

**Doctor of Philosophy - PhD**, Norwegian University of Science and Technology (NTNU)

PhD Candidate under the Department of Computer Science. See details above.

**2011 - 2016**

**Master of Science (M.Sc.)**, Norwegian University of Science and Technology (NTNU)

Engineering and ICT – a joint degree between mechanical engineering and computer science. Specialization: Product Development and Materials. Grade: A. The Master's Thesis studied how to automate and optimize tasks in the mechanism design process by automatic modelling, pre-processing and analysis. Concepts from Knowledge-Based Engineering was used; which includes mechanical engineering, object-oriented programming and artificial intelligence.

**2014 - 2015**

**Graduate student**, University of California, Santa Barbara (UCSB)

Exchange program, Computer Science and Mechanical Engineering

# PUBLIC SPEAKING, LECTURES & PUBLICATIONS

2020 - Academic publication

[Towards a Business Analytics Capability for Circular Economy](#) Manuscript complete

2020 - Academic publication

[The Smart Circular Economy: A Digital-Enabled Circular Strategies Framework for Manufacturing Companies](#) In-review at Journal of Business Research

2020 - Book

[Smart Circular Economy: CIRCit Workbook 4](#). ISBN 9788774756064.

2019 - Academic publication

[Developing a circular strategies framework for manufacturing companies to support circular economy-oriented innovation](#) In Journal of Cleaner Production

2019 - Academic publication

[Exploring the Relationship Between Data Science and Circular Economy: an Enhanced CRISP-DM Process Model](#) 18th IFIP Conference on e-Business, e-Services and e-Society

26.08.2019 - Popular business news article

[Nå må laget samles, spiller dere med samme ball Ulstein, Elvestuen og Astrup?](#) Bistandsaktuelt

22.07.2019 - Popular business news article

[Technology can save the world from climate catastrophe](#) Vårt Land

04.04.2019 – Presenter

[Sharing of Data for new sustainable and circular business models](#) Digitaliseringskonferansen

04.04.2019 – Presenter and moderator

[Digitalizing the Circular Economy](#) High North Dialogue

26.11.2018 - Presenter

[Smart Circular Economy – How to use IoT and AI for increased sustainability and competitiveness](#) Difi

31.05.2018 – Course lecture

[Circular Economy and sustainability](#) Sopra Steria Service Design Academy

13.09.2018 - Presenter

[Digitalization and the Circular Economy](#) RICE, Circular Economy Workshop

02.06.2018 - Popular business news article

[Circular Economy creates new possibilities](#) Dagens Næringsliv

31.05.2018 - Presenter

[How can Internet of Things and Artificial Intelligence enable the Circular Economy?](#) SINTEF, Circular Economy Conference

05.01.2018, 02.05.2018 - Guest lecture

[What is DevOps?](#) NTNU Trondheim, NTNU Gjøvik

03.03.2018 - Presenter

[Circular Economy: How IoT and blockchain can save the world](#) Sopra Steria Rubiks

09.12.2017 - Presenter

[CIRCit: how can research help the Circular Economy transition](#) Avfall Norge

## TECHNICAL CERTIFICATIONS

- MCSA: Office 365
- 70-410: Installing and Configuring Windows Server 2012
- 70-347: Enabling Office 365 Services
- 70-346: Managing Office 365 Identities and Requirements

## HONORABLE MENTIONS

*“Eivind er ekstremt dyktig på mange fronter. Han har en genuin interesse for å bruke IT til banebrytende formål. Han er selvstendig, produktiv og særdeles fremoverlent. Eivind er faglig veldig oppdatert og evner å knytte anerkjente metoder sammen slik at disse kan benyttes effektivt i ethvert miljø.”*

– **Rune Haugen, Project Manager at Sopra Steria**

*“Han har kunnskaper om det meste, og er en person du kan spørre om alt. Sosialt er han meget omgjengelig og lett å kommunisere meg.”*

– **Daniel Mamelund, Account Manager at Vix**