

# EIVIND KRISTOFFERSEN



I am a passionate researcher, international ISO expert, visionary and public speaker with collective knowledge of IT, business and sustainability. I am currently pursuing my PhD in business analytics and circular economy with planned defence Oct. 2021 whilst working part-time as a researcher for 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 “digitalizing the circular economy”.

I thrive in multidisciplinary settings where business needs meet state-of-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.

## 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

### February 2019 – Present

#### Research Scientist, SINTEF

Part of the SINTEF Helgeland team researching how to enable Circular Economy through digitalization and new emerging technologies at the Mo Industry Park.

- Contributor to the development of Circular Procurements by Difi
- Co-author for Circular Norway’s input to the AI strategy development by the Norwegian Government
- Application writing for Digital Mine - An intelligent IIoT platform for the mining industry (EU Horizon 2020, SC5-09-2018-2019)
- Digital Circular Economy Platform (application in the works for “Data og tjenester overallt – Samarbeidsprosjekt”)

### 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 - Intelligent product operations".

**Oct 2017 – Present****PhD Candidate**, NTNU

I research how emerging digital technologies (as IoT, Big Data, and AI) can enable a more sustainable and circular economy in the Nordics. This includes action research and networking with several leading companies and clusters.

**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. IoT readiness assessment. 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. Tentative title for research: *"Towards a Smart Circular Economy - how companies can use digital technologies to leverage the transformation to more data-driven and sustainable business models."*

I research how emerging digital technologies (as IoT, Big Data, and AI) can enable smart circular strategies for Nordic companies. Topics: circular economy, sustainability, IoT, AI, predictive maintenance, business model innovation.

**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**

30.10.2019 - Academic publication

**Digitalizing the Circular Economy: a Smart Circular Economy Framework for Manufacturing Companies**  
In-review at Journal of Business Research

18.09.2019 - 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

06.2016 – Academic Publication

**Automating tasks in the design loop for mechanism design** Master Thesis

## 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**