

Lund Automatic Control Seminar

12 February 2021

Margret Bauer

My Journey Through Process Automation



SIEMENS

Diplom in Electrical Engineering
Control & Signal Processing
Universität Erlangen-Nuremberg, Germany
1995-2000



International Graduate Program
Sales and Marketing
2001 - 2002
Kista / Munich



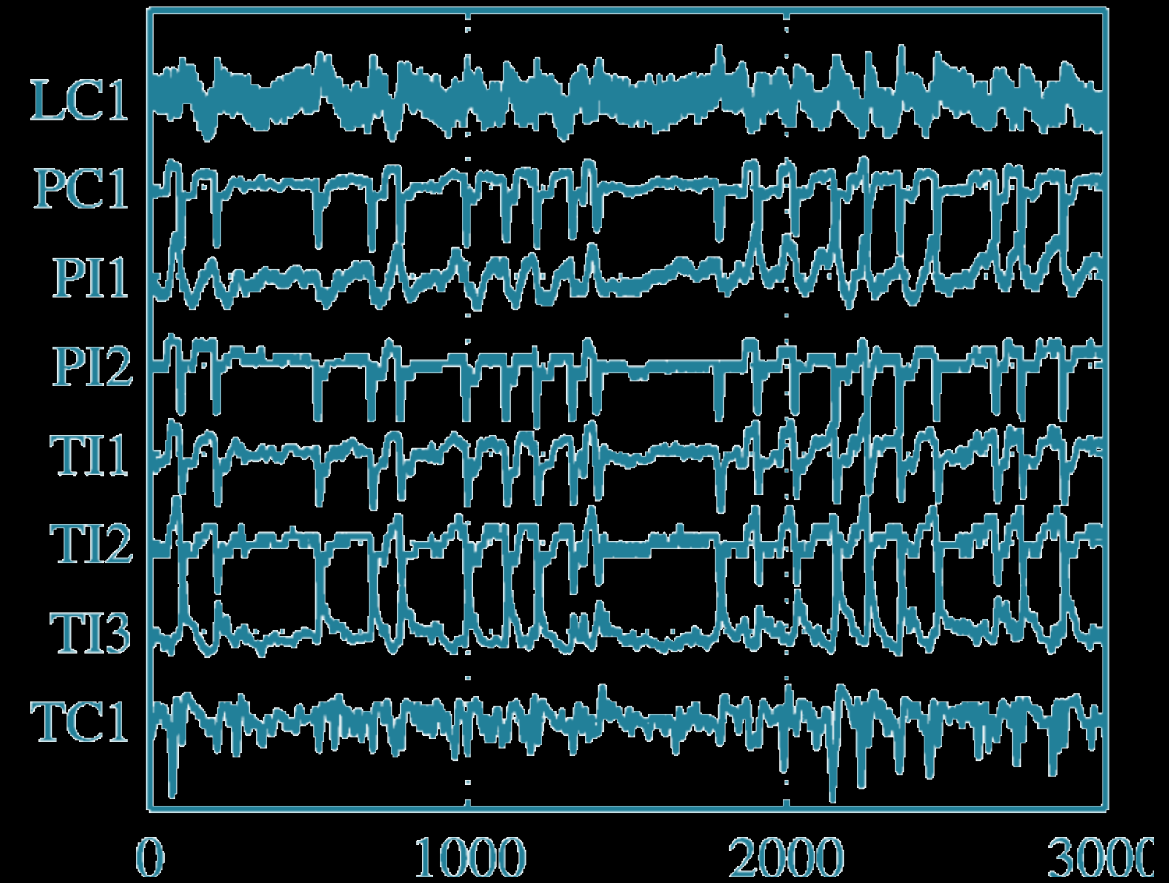
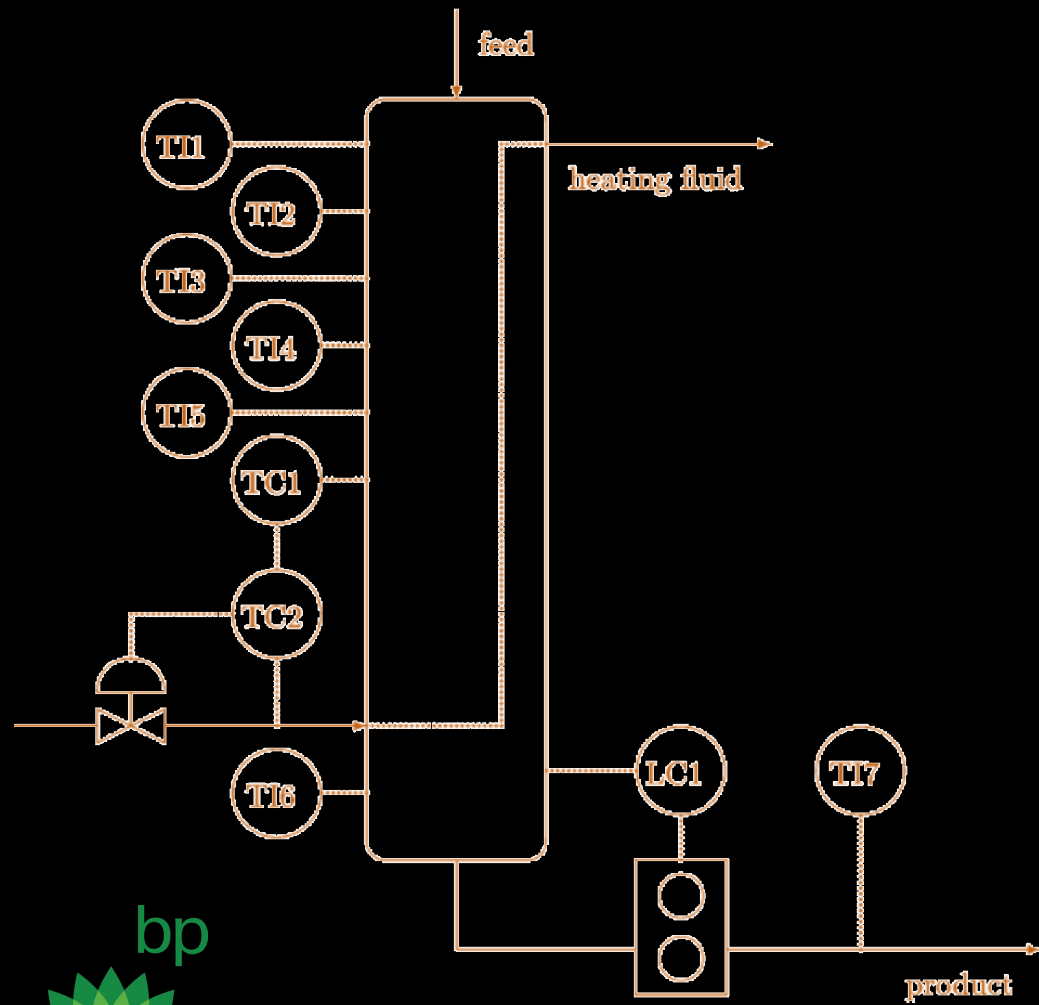
Nina Thornhill



PhD
University College London

Thesis Title: Data-Driven Process Analysis (2005)

Data Analytics



EASTMAN

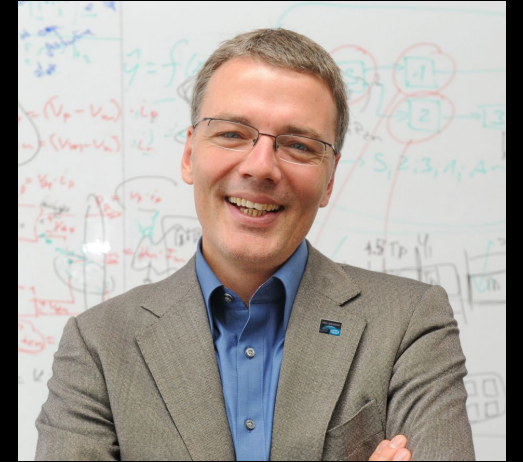
Publications





Principal Scientist from 2007
ABB Corporate Research

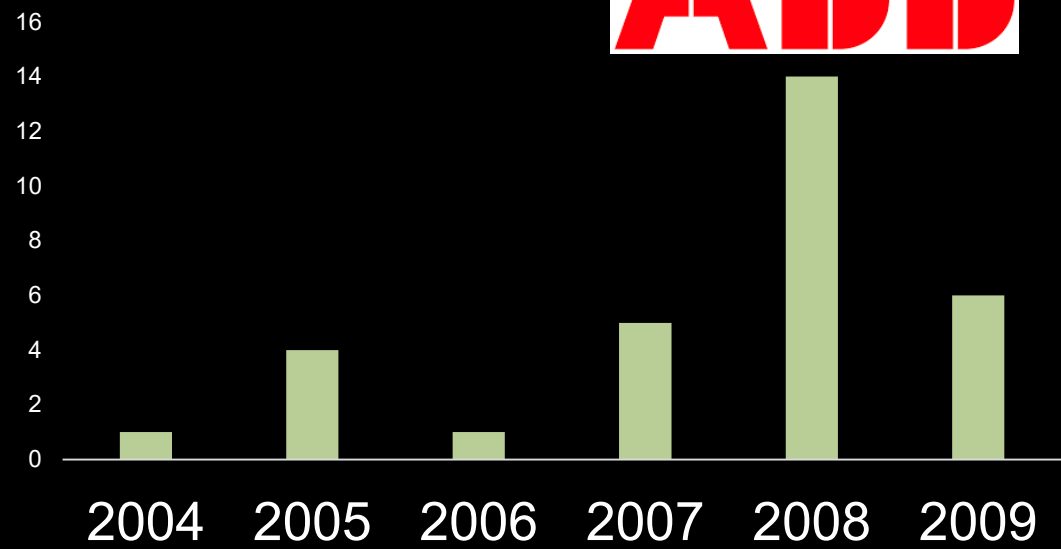
- Alarm Management
- Planning and scheduling
- Model predictive control
- Asset Management
- Energy Management



Alexander Horch
Alf Isaksson
Iiro Harjunkoski
Moncef Chioua
Martin Hollender



Publications



- Leah born in 2010

Daniel born in 2011

Associate Professor

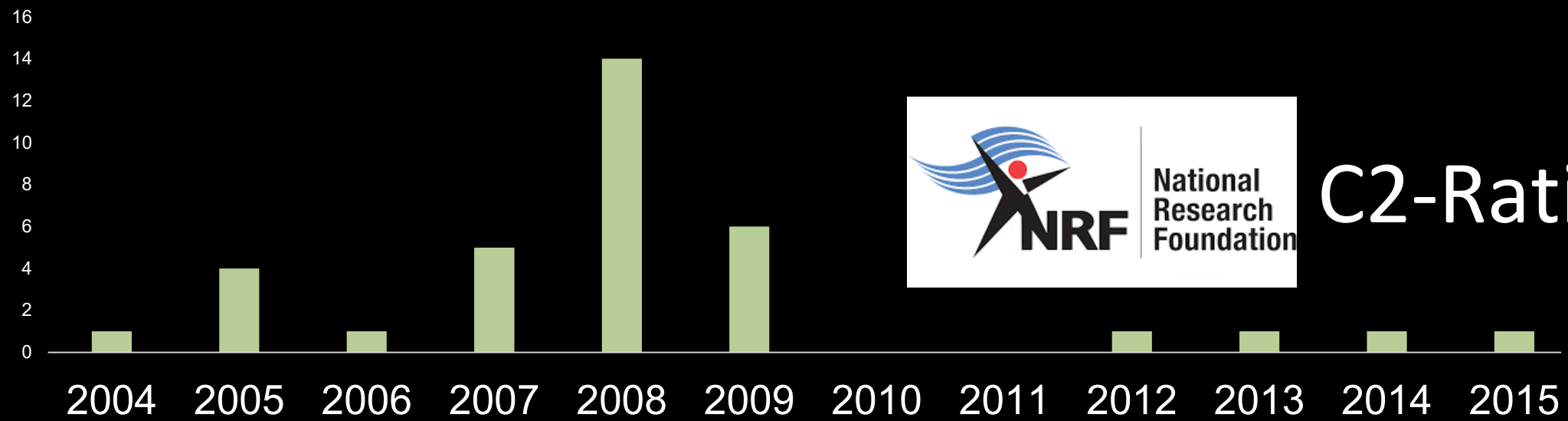
- University of Johannesburg
- (Part-time, 3 years)
- 2011-2014



Honorary Professor

- University of the Witwatersrand
- (Unpaid, 3 years)
- 2014-2017

Publications



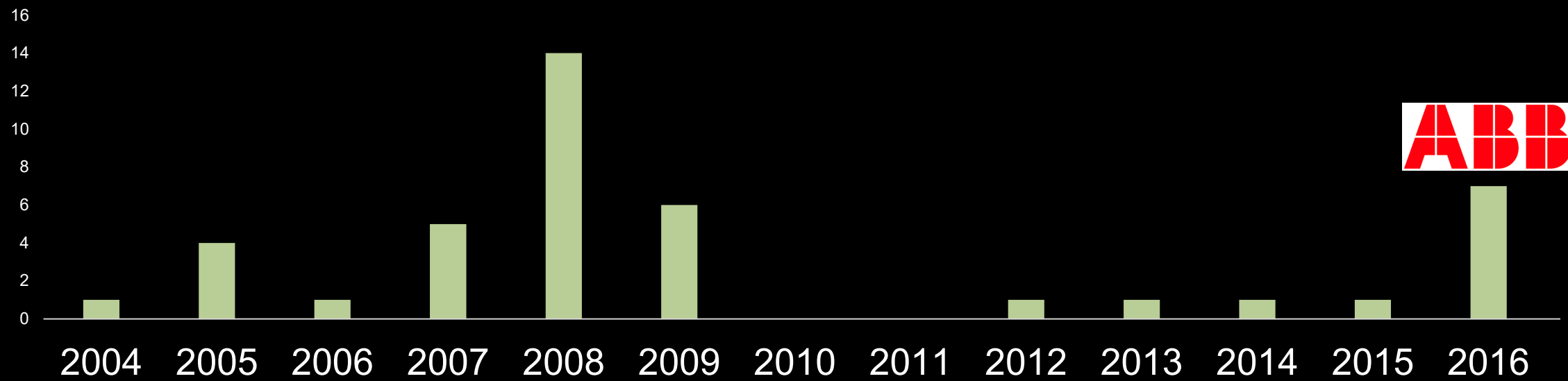
C2-Rating



Principal Scientist ... until 2015
ABB Corporate Research
MOM
Pump Monitoring Solution
Mathieu Lucke (C. Johnson)



Publications



2014 – 2017 Wits

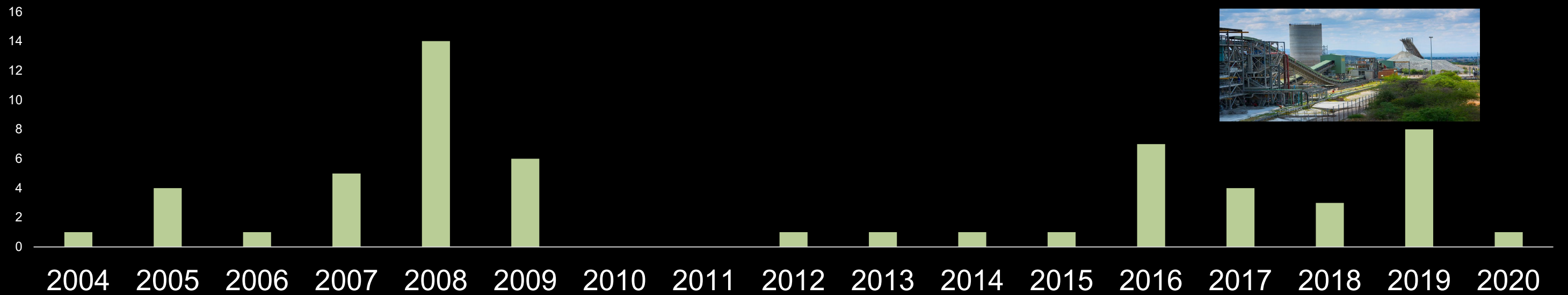
2018 – 2020 University of Pretoria

Extraordinary Professor, unpaid

- Data Analytics and Industrie 4.0 in Minerals Processing, consulting
- Lund: LCCC Workshop, 2016
- Opponent of Josefin Berner, 2017
- IFAC, SACAC (CCA, TC 9.4 Education, Girls in Control, Activity Fund)



Publications



Since May 2020
Professor of Process Automation
(paid, permanent)

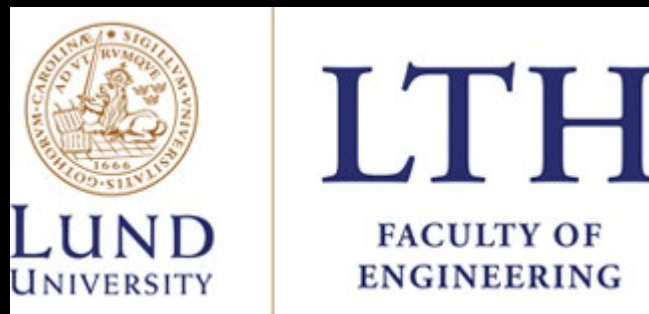


University of Applied Sciences

2021-2023

Lise-Meitner-Professor (20%)

Lund University



Research Topics

Eva

Kristian

Lotta

Tore

Frida

Women in Control Engineering

Industrie 4.0

PID Control Implementation
& Standards

Data Analytics