

Candidate Presentation: Daryl Powell

Prof. Dr. Daryl Powell
KONGSBERG Chair Professor of Production Management
University of South-Eastern Norway

Who Am I?



Education and Career

- **B.Eng. Motorsport Engineering**
Swansea Institute of Higher Education, UK
- **M.Sc. Lean Manufacturing**
Swansea Metropolitan University, UK
- **Ph.D. Production & Quality Engineering**
NTNU, Trondheim, Norway
- **Continuous Improvement Champion**
Schaeffler (UK) Ltd, Llanelli
- **Lean Program Manager**
Kongsberg Maritime Subsea
- **Chief Scientist**
SINTEF Manufacturing
- **KONGSBERG Chair Professor**
University of South-Eastern Norway

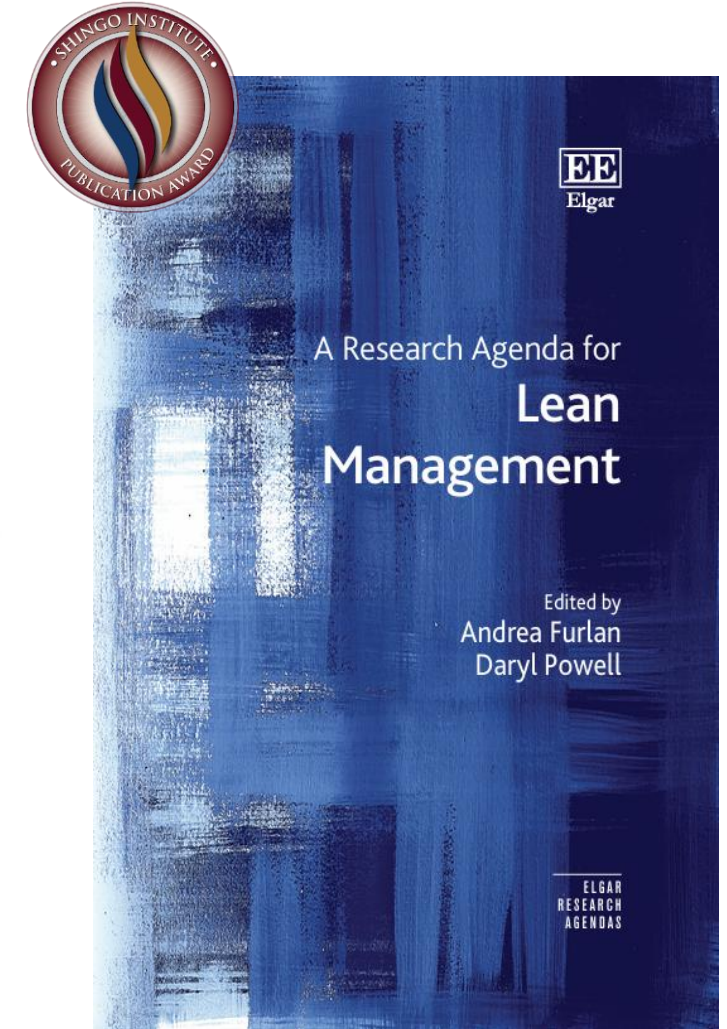
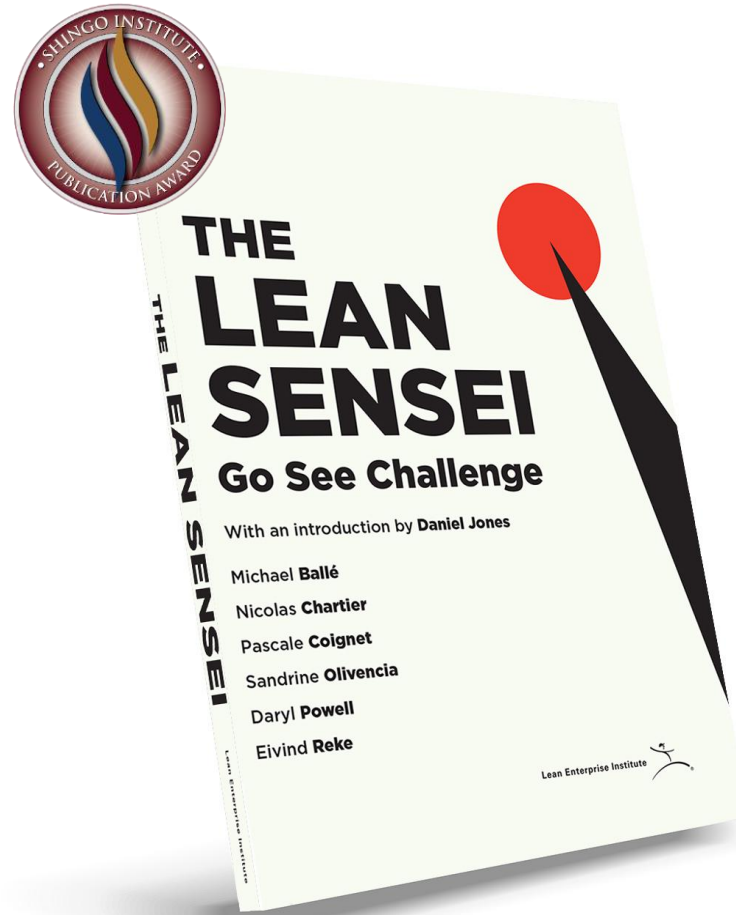
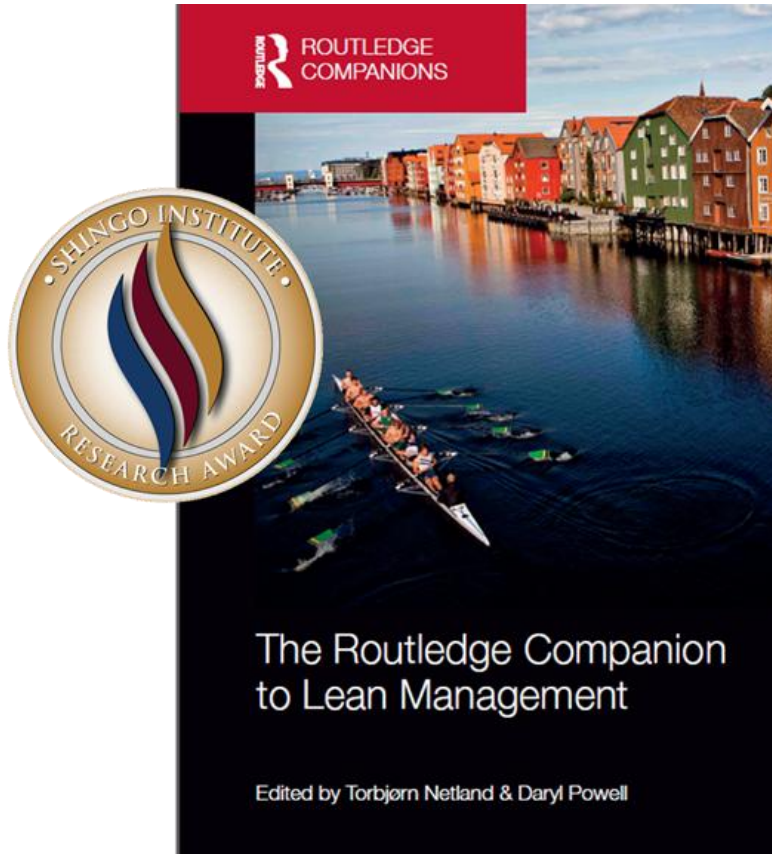


University of
South-Eastern Norway

Research and Teaching

- Lean Management
- Digitalization
- Sustainability
- Action Learning Research
- Qualitative Research Methods
- Production Management
- Lean Production
- Digital Transformation

Achievements



Networks



Lean Global Network

EXECUTIVE LEAN EDUCATION

Lead with clarity.
Grow with purpose.

DP Sensei equips executives and organisations with the lean mindset, tools, and people development practices to unlock sustainable performance.

Executive Lean Education

Executive Lean Education

Educating Tomorrow's Production Managers

A Strategic Industry–Academia Partnership in Practice

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KONGSBERG

Image: KONGSBERG

Executive Operations Management

Norwegian industry is undergoing a transformation, creating a strong demand for leaders with expertise in production management. To address this need, USN and KONGSBERG took action in 2024 by launching a new programme in production and operations management.

The one-year programme, called Executive Operations Management (EOM), is designed for skilled workers, engineers, and professionals with relevant experience who seek leadership development in production and operations management. The programme is modular, awarding 60 ECTS credits, and will commence in the autumn of 2025.

It is offered on a part-time basis, allowing students to combine work and studies.



Executive Operations Management

- Work Management and Employment Law
- Production Engineering
- Quality Management
- Basic Accounting
- **Lean Production**
- Production Technology
- Production Logistics and SCM
- Digital Transformation



The Future of POM

Purpose: To benchmark POM-relevant programs across the member institutions of the IFIP working group 5.7 (Advances in Production Management Systems)

RQ1: What are the current focal topics in global POM educational programs?

RQ2: What should be included in future POM educational programs?

Future-proofing production and operations management education: An IFIP WG5.7 benchmarking study

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Abstract. Kongsberg Defence & Aerospace – a Norwegian multinational company that develops and delivers innovative technologies to safeguard people and critical infrastructure – is experiencing a fast-growing order backlog and a growing need for production managers to ensure efficient, high-quality and competitive production processes in its factories around the world. Recognizing this need, and through the establishment of a professorship in production management at the University of South-Eastern Norway, the company is seeking to establish a world class education program in production and operations management to develop and strengthen education in the field. As such, this paper sets out to benchmark production and operations management programs across the member institutions of the IFIP working group 5.7: Advances in Production Management Systems. We analyze both bachelor and master programs in the fields of engineering and management from 16 institutions spanning twelve different countries: Norway, the Netherlands, Mexico, Italy, Brazil, France, Denmark, Sweden, Switzerland, Australia, the UK and the USA. We also present the findings of an industrial focus group initiative in which participants considered the results of the global benchmarking study and identified areas for development based on gaps in the current offerings. The findings can be used by member institutions to help navigate current and future geopolitical challenges.

Keywords: Production and Operations Management, Engineering, Education, Benchmarking, Curriculum.

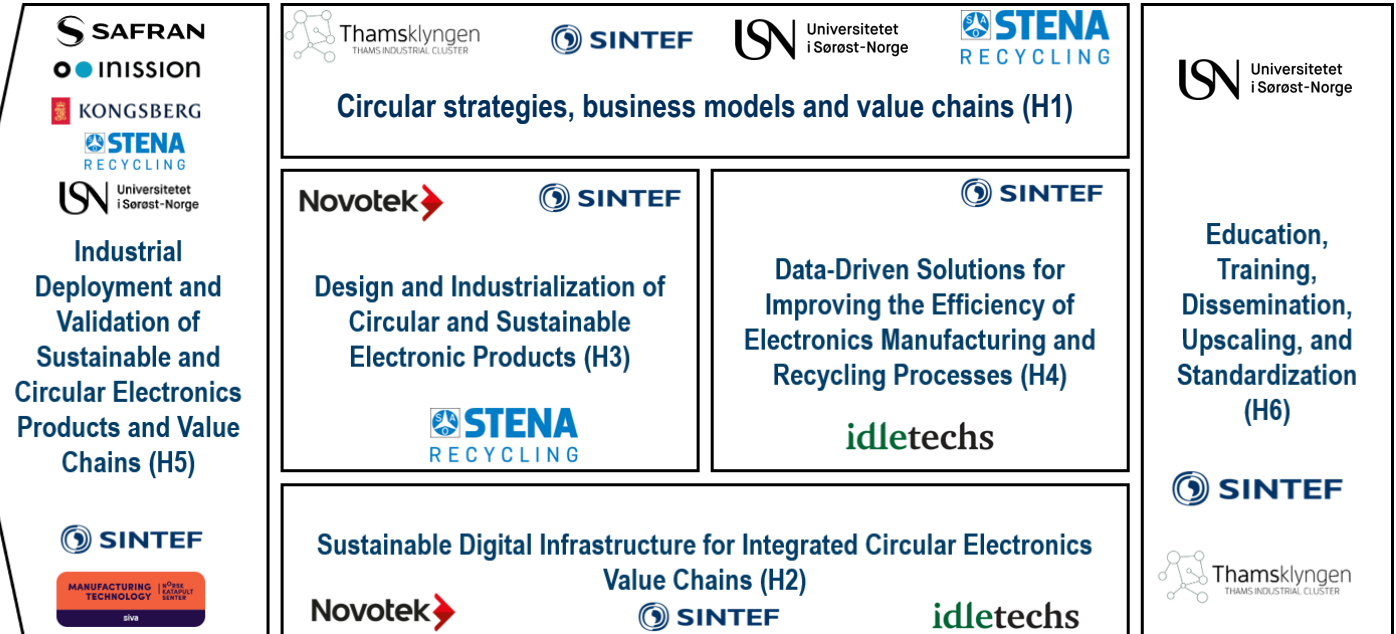
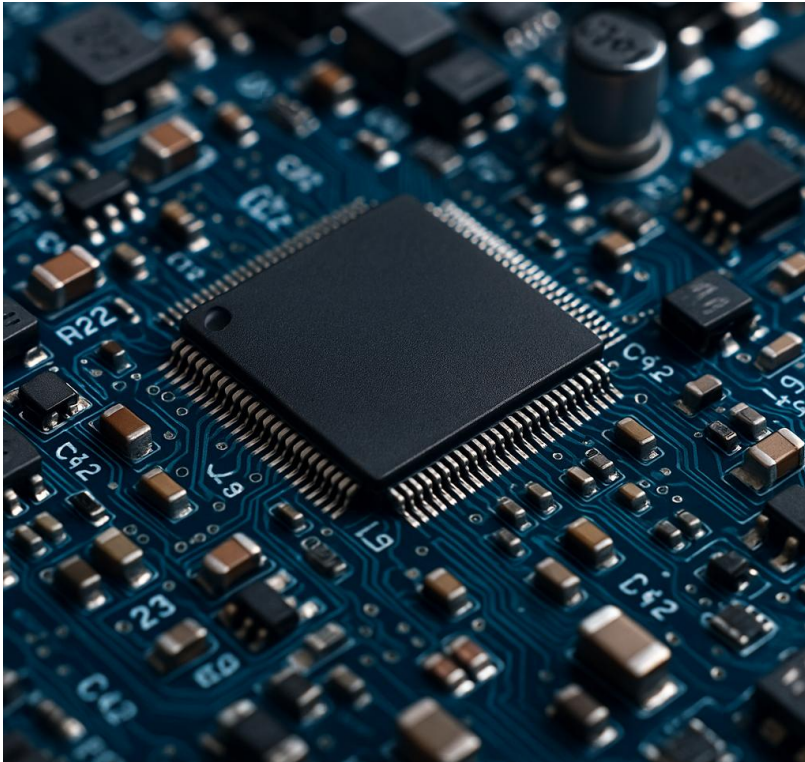
1 Introduction

Production and Operations Management (POM) lies at the heart of industrial competitiveness, economic resilience, and sustainable development [1]. As global value chains become increasingly complex and vulnerable, the strategic importance of high quality POM education has grown significantly [2]. In Europe (particularly in countries like

What should be included in future POM educational programs?



Research-based Education



Pedagogical Framework & Curriculum

- **Problem-based Learning**
 - Real problems, real learning
- **Modular design**
 - Five core modules + capstone project
- **Systems thinking**
 - ...as a cross-cutting pedagogical principle

1. *Circular Business Models*
2. *Data Platforms and Digital Architecture*
3. *Digital Product Passports*
4. *AI & Data-driven Optimization*
5. *Industrial Implementation of Circular Strategies*
6. *Capstone: Lifecycle Analysis for Product, Process, and Value Chain*



Grønn plattform

