

NORSI II - INTRODUCTION COURSE
INNOVATION RESEARCH – FROM ORIGIN TO CURRENT FRONTIER

2 Parts:

- 1. BI Norwegian Business School, Oslo: 26-29 September 2016
- 2. NTNU, Trondheim: 19-21 October 2016
- Registration: Send an email to Siv Marit Haagensli at NTNU: siv.m.haagensli@iot.ntnu.no

PART 1: 26-29 SEPTEMBER 2016 – “SYSTEMS OF INNOVATION”

Faculty: Jan Fagerberg, Bengt Åke Lundvall, Ben Martin, Bart Verspagen

Supporting faculty: Bjørn Asheim, Magnus Gulbrandsen, Roger Sørheim

Preliminary program

Day 1: Monday, 26 September 2016 *BI Norwegian Business School, room C2-065*

10:15-12:00 Jan Fagerberg: Innovation Studies: Introduction & student present themselves

Short lecture (45 min) followed by student presentations, 2-3 minutes. Students prepare one- 1 - powerpoint slide which is sent to Birte in advance, containing name, disciplinary background, main interests and thesis title/objectives

Litt: Fagerberg et al: Oxford Handbook of innovation chapter 1

12:00 – 13:00 **LUNCH** - Reserved in BI's Fine Dining Area- 7th Floor

13.15-15: Ben Martin: The evolution of science policy and innovation studies

Litt: BR Martin (2012) The evolution of science policy and innovation studies, Research Policy 41 (7), 1219-1239

J Fagerberg, H Landström, BR Martin (2012) Exploring the emerging knowledge base of 'the knowledge society', Research Policy 41 (7), 1121-1131

Day 2: Tuesday, 27 September 2016 *BI Norwegian Business School, room C2-030*

10:15-12:00 Bart Verspagen: Innovation Measurement

Litt: Fagerberg et al: Oxford Handbook of innovation chapter 6

For R&D: Chapter 24 of the Hall and Rosenberg handbook

For CIS: Srholec, M. and B. Verspagen, 2013, 'The Voyage of the Beagle into innovation: explorations on heterogeneity, selection, and sectors', Industrial and Corporate Change, vol. 21, pp. 1221-1253

For patents: Verspagen, B., 2007, Mapping Technological Trajectories as Patent Citation Networks: a Study on the History of Fuel Cell Research, Advances in Complex Systems, vol. 10, pp. 93-115.

12.00 – 13.00 **LUNCH** provided outside room

13.15-15:00 Bengt Åke Lundvall: National Innovation Systems: Where it came from, policy lessons and the future research agenda

Litt: Fagerberg et al: Oxford Handbook of innovation chapter 7, 22

Lundvall, B.-Å., (2010) Post Script: Innovation System Research Where it came from and where it might go, in Lundvall, B.-Å., (ed.) (2010), National Systems of Innovation: Towards a Theory of Innovation and Interactive Learning. London, Anthem.

Day 3: Wednesday, 28 September 2016 *BI Norwegian Business School, room C2-030*

10.15-12:00 Bengt Åke Lundvall: Globalization of innovation & the challenges for developing countries

Litt: Lundvall, B.-Å. (2016) National Innovation Systems and Globalisation, forthcoming in Lundvall, B.-Å.: The Learning Economy and the Economics of Hope, Anthem.

Lundvall, B.-Å. and Lema, R. (2014), 'Growth and structural change in Africa : Development strategies for the learning economy', African Journal of Science, Technology, Innovation and Development, Vol. 6, No. 5, pp. 455-466.

12.00 – 13.00 **LUNCH** provided outside room

13.15-15:00 Jan Fagerberg: The evolution of the Norwegian Innovation System

Litt: Fagerberg et al: Oxford Handbook of innovation chapter 7

Fagerberg, J, D. Mowery and B. Verspagen 2009. The evolution of Norway's national innovation system, Science and Public Policy, 36: 431-444

Day 4: Thursday, 29 September 2016 *BI Norwegian Business School, room C2-030*

9:15-11:00 Bart Verspagen: The European Stagnation: Causes, Consequences and Policy Challenges

Litt: J Fagerberg, S Laestadius, BR Martin (eds., 2015) The Triple Challenge for Europe: Economic Development, Climate Change, and Governance, OUP Oxford, chapters 1 – 2

11.00 – 12.00 **LUNCH** provided outside room

12.15-15:00 Ben Martin: Challenges for Innovation Studies

Introduction by Ben Martin (45 min), Students work in groups (1h), Presentations & discussion (1h)

Litt: Fagerberg, J., Martin, B. R. and Andersen, E. S. (eds.) 2013. Innovation Studies – Evolution and Future Challenges, Oxford University Press, Oxford

B.R. Martin, 2016, 'Twenty Challenges for Innovation Studies', Science and Public Policy, 43 (forthcoming – downloadable from doi: 10.1093/scipol/scv077)

PART 2: OCTOBER 2016 – “STRATEGIC MANAGEMENT OF INNOVATION”

Core faculty: Keld Laursen, Christoph Grimpe

Supporting faculty: Roger Sørheim, Lars Øystein Widding

Day 1: Wednesday, 19 October 2016

NTNU, room: TBD

09:00 – 12:00 Session 1: Industry dynamics and innovation life cycles: Dominant design and entry-exit models and their strategic implications (KL)

Litt: Dosi, G. 1982. Technological Paradigms and Technological Trajectories: A Suggested Interpretation of the Determinants and Directions of Technical Change. *Research Policy*, 11: 147-162.

Anderson, P., & Tushman, M. L. 1990. Technological discontinuities and dominant designs: A cyclical model of technological change. *Administrative Science Quarterly*, 35 (4): 604-633.

Klepper, S. 1996. Entry, Exit, Growth, and Innovation over the Product Life Cycle. *The American Economic Review*, 86 (3): 562-583.

12.00 – 13.00

LUNCH :TBD

13:00-16:00 Session 2: Organizing innovation I: Internal organization (KL)

Litt: Argyres, N. S., Silverman, B. S. 2004. R&D, organization structure, and the development of corporate technological knowledge, *Strategic Management Journal*, 25(8-9): 929 - 958.

Laursen, K., Foss, N. 2003. New HRM Practices, complementarities, and the impact on innovation performance, *Cambridge Journal of Economics*, 27(2): 243-263.

Foss, N. J., Laursen, K., and Pedersen, T. 2011. Linking Customer Interaction and Innovation: The Mediating Role of New Organizational Practices. *Organization Science*, 22(4): 980–999.

Day 2: Thursday, 20 October 2016

NTNU, Room: TBD

09:00-12:00 Session 3: Organizing innovation II: Networks, collaboration and alliances (CG)

Litt: Teece, D.J. 1986. 15: 285-305.

Mowery, D., Oxley, J., Silverman, B. 1996. Strategic Alliances and Interfirm Knowledge Transfers. *Strategic Management Journal*, 17 (Winter 96 special issue): 77-91.

Ahuja, G. 2000. Collaboration networks, structural holes and innovation: a longitudinal study, *Administrative Science Quarterly*, 45 (3): 425-455.

12.00 – 13.00

LUNCH : TBD

13:00-17:00 Session 4: Workshop: User innovation (CG + KL)

Litt: Hippel, E. V., Ogawa, S., and De Jong, J. P. J. 2011. The age of the consumer-innovator. *MIT Sloan Management Review*, 53(1): 27-35.

Lakhani, K. R., and Jeppesen, L. B. 2007. Getting unusual suspects to solve R&D puzzles. *Harvard Business Review*, 85(5): 30-32.

Foss, N. J., Laursen, K., and Pedersen, T. 2011. Linking Customer Interaction and Innovation: The Mediating Role of New Organizational Practices. *Organization Science*, 22(4): 980–999.

Day 3: Friday, 21 October 2016

NTNU, Room: TBD

09:00-12:00 Session 5: Appropriability, markets for technology and innovation strategy (KL)

Litt: Teece, D. 1986. Profiting from technological innovation: implications for integration, collaboration, licensing, and public policy. *Research Policy*, 15 (6): 285-305.

Levin, R., Klevorick, A., Nelson, R. R., et al. 1987. Appropriating the Returns from Industrial Research and Development. *Brookings Papers on Economic Activity*,(3): 783-820.

Arora, A., Fosfuri, A., Gambardella, A. (2001). Markets for Technology and their Implications for Corporate Strategy. *Industrial and Corporate Change*, 10 (2): 419-451.

Optional reading:

Gans, G., & Stern, S. 2003. The Product Market and the Market for 'Ideas': Commercialization Strategies for Technology Entrepreneurs. *Research Policy*, 32 (2): 333-350.

12.00 – 13.00

LUNCH :TBD

13:00-16:00 Session 6: Search and open innovation (CG)

Litt: Rosenkopf, L., & Nerkar, A. 2001. Beyond local research: boundary-spanning, exploration, and impact in the optical disk industry. *Strategic Management Journal*, 22: 287-306.

Katila, R., and Ahuja, G. 2002. Something Old, Something New: A Longitudinal Study of Search Behavior and New Product Introduction. *Academy of Management Journal*, 45(8): 1183-1194.

Laursen, K., & Salter, A. J. 2006. Open for Innovation: The role of openness in explaining innovative performance among UK manufacturing firms. *Strategic Management Journal*, 27(2): 131-150.