Contents

Innovative Capability – an Introduction to this Volume .......................... 1
Sven Trantow, Frank Hees, Sabina Jeschke

Part 1 – Management of Uncertainty – Key to Innovation

Management of Uncertainty –
A Blind Spot in the Promotion of Innovations ................................. 17
Fritz Böhle

Commentary
Management of Uncertainty – A Contradiction in Itself? ................. 31
Petra Dassen-Housen

Beyond Planning and Control. Alternative Approaches
to the Management of Industrial Research and Development .......... 35
Harald Wolf

Commentary
The Role of Psychological Contract in Supporting Innovation Activity. .... 47
Elise Ramstad

New Forms of Project Organization and Project Management –
Dynamic and Open ................................................................. 53
Sibylle Peters

Commentary
Managing in Complexity ......................................................... 65
Harold Jarche
Innovation and Learning – For a Future of Lifelong Learning ............... 69
Johannes Sauer

Commentary
Innovation, Continuing Education and Lifelong Learning.................... 81
Stephen Downes

Uncertainty in Institutional Change. Individual Resources as Potential ... 85
Martin Elbe

Commentary
Finding Common Ground for Innovation ............................... 97
Michael Brannick

Part 2 – Developing Skills, Work Systems, Work Processes –
an Innovative Challenge

What’s Going On Out There? –
Designing Work Systems for Learning in Real Life......................... 103
Ernst Hartmann and Francesco Garibaldo

Commentary
Learning in Real Life ....................................................... 117
Lauge Baungaard Rasmussen

Job Learning in the Hands of New Actors –
Challenges for the Innovative Capability of Companies ............... 121
Yvonne Salazar and Sibylle Peters

Commentary
Computer-based, Individual Learning at Work:
Developments and Trends .................................................. 133
Anna Maria Köck and Klaus Tochtermann
Integrating Innovation, Work, and Learning in Higher Education – The Case of Work Based Learning Frameworks ......................... 139

Barbara Light and Ernst Hartmann

Commentary
Challenges and Perspectives concerning the Integration of Vocational Learning into Higher Education ......................... 161

Rita Meyer

New Forms of Work Organization and the High Road to Innovation: European Experiences ................................................. 165

Peter Totterdill

Commentary
Innovations Require Conducive Institutions ........................................ 179

Peter Brödner

A Human-Centered Design for Work Places: Opportunities and Constraints ................................................................. 183

Francesco Garibaldo

Commentary
Employee Participation as a Source of Innovation ....................... 197

Rainer Greca

Part 3 – Innovative Capability and Change of Work

Social Innovation – Social Challenges and Future Research Fields ........ 203

Jürgen Howaldt and Michael Schwarz

Commentary
The Long Road from Awareness to Systematic Research and Funding of Social Innovations ............................................... 225

Josef Hochgerner
Innovation and the Subjective Conditions for Innovative Capability ..... 233
Matthias Trier

Commentary
Workplace Innovation and New Industrial Relations. ................. 243
Frank Pot and Ton de Korte

Innovative Capability and Productivity:
What has Demographic Change to do with it? ....................... 249
Tarja Tikkanen

Commentary
Do Demographic Changes also Affect Our Views of Work? ........ 267
Edith Perlebach

Encouraging Innovations in Research and Practice:
The Labor Process and Innovation. .................................... 271
Frank Emspak

Commentary
Economic Democracy as a Driver of Innovation .................. 285
Ulrich Busch

Fostering Innovative Capability in Germany –
The Role of Interdisciplinary Research Networks ................. 289
Claudia Jooß, Florian Welter, Anja Richert and Sabina Jeschke

Commentary
Foster Innovative Capabilities by Strengthening European
Dimensions of Research Networks. ............................... 301
Werner Wobbe
Part 4 – Intellectual Capital – Human Potential as Factor of Innovation

Knowledge 2010 – Intellectual Capital as Driver of Wealth. ...............307
Peter Pawlowsky

Commentary
Some Key Quizzics for the Future Intellectual Capital .................331
Leif Edvinsson

Measuring Intellectual Capital. ...................................................337
Sabine Bischoff, Gergana Vladova and Sabina Jeschke

Commentary
What Cannot Be Measured Can Nevertheless Be Managed ...........349
Günter Koch

Corporate Innovative Capability between the Forces of Typical Dilemmas – Conceptual Challenges for Knowledge and Intellectual Capital Management ........................................355
Hans-Georg Schnauffer

Commentary
On the Way to a Renewed IC-Agenda ........................................373
Ahmed Bounfour

Learning by Playing:
Potential of Serious Games to Increase Intellectual Capital ............375
Bodo von der Heiden, Verena Bock, Anja Richert and Sabina Jeschke

Commentary
Serious Rigor for Serious Games .............................................389
Sebastiaan Meijer and Wim Veen
Future Center – An Unconventional Approach to Promote Intellectual Capital Potential ..........................393

Günther M. Szogs

Commentary
Facilitating the Future .................................................................407

Hank Kune

Part 5 – Findings from the German R&D Program


Max Haarich, Sylvia Sparschuh, Claudio Zettel, Sven Trantow, Frank Hees

Occupational Safety and Health as an Innovation Driver ..................435

Ingo Leisten, Ursula Bach and Frank Hees


Heike Jacobsen, Arno Georg and Milena Jostmeier

IT-based Interactive Research – on the Use of Social Software in Research .................................463

Uta Renken, Angelika C. Bullinger

Authors .................................................................473
Enabling Innovation
Innovative Capability - German and International Views
Jeschke, S.; Isenhardt, I.; Hees, F.; Trantow, S. (Eds.)
2011, XII, 488 p., Hardcover
ISBN: 978-3-642-24502-2