

Index

pag.

<i>Table of contents</i>	XI
--------------------------	----

1

Introduction to digital innovation

1.1. The terms “digital” and “digital innovation”	1
1.2. Historical Context	2
1.3. Realizing and embedding digital innovation into organisations	3
1.4. The transformative impact of digital innovation	6
1.5. Digital innovation in practice	7
1.6. Strategic implementation: the role of leadership	9
1.7. Challenges and Misconceptions	11
1.8. Conclusion and implications for future innovation strategies	13

Part 1

New frontiers of digital innovation: Exploring customer engagement and persuasive technology

2

Bridging humans and technologies through digital customer engagement

2.1. Definitions of customer engagement	19
---	----

	<i>pag.</i>
2.2. Persuasive technology as a digital capability to increase customer engagement	21
2.3. Digital nudging – designing engaging choice environments	24
2.4. Artificial intelligence engaging with the user	25
2.5. Conclusions	28

3

Engaging customers through Persuasive Technology. The case of two-sided networks

3.1. Influence of online reviews on individuals' decision-making	31
3.2. Methodology	33
3.2.1. Participants	33
3.2.2. Procedure	33
3.2.3. Data analysis	34
3.3. Findings	35
3.3.1. The decision-making process and the role of online reviews	35
3.3.2. The influence of images	41
3.3.3. The influence of the textual content and coherence of reviews	42
3.3.4. The influence of the number of reviews and number of negative reviews	42
3.3.5. The influence of ratings and quality badges	43
3.3.6. The influence of author identity information	44
3.3.7. The influence of price information	44
3.4. Conclusion	45

Part 2

The enabling capabilities of digital innovation

4

Organizational capabilities in digital innovation context

4.1. Reconceptualizing organizational capabilities	50
4.2. Redefining the digital landscape	51
4.3. Evolving organizational capabilities in the digital age	53
4.4. Review of managerial literature on digital capabilities	55
4.4.1. Keywords exploratory analysis	55

	<i>pag.</i>
4.4.2. Topics modelling	57
4.5. Insights and suggestions for digital capabilities research	61
4.5.1. Definition and elements of digital capabilities	61
4.5.2. Dynamic nature of digital capabilities	62
4.5.3. Multiple levels of digital capabilities	63
4.6. Conclusion	64

Part 3

Governance and leadership for digital innovation

5

Who drives digital innovation in organizations?

5.1. Innovation Governance and the Role of the CInO	69
5.2. The human dimension of digital innovation	70
5.3. C-Level Executives and Strategic decisions	73
5.4. The Evolving Role of Top Management in Driving Innovation	73
5.5. The emergence of the Chief Innovation Officer	75
5.6. The role of the CInO	77
5.7. Beyond a mere boss: traits and profiles of an effective CInO	80
5.8. CInO and Innovation Strategy	83
5.9. CInO and Innovation Performance	87
5.10. Conclusion	87

6

Leaders of digital innovation: The Italian context

6.1. Objectives of the study	89
6.2. Methodology	90
6.3. The sample	91
6.4. Presence of the Chief Innovation Officer	94
6.5. Roles and perspectives	98
6.5.1. Different job titles	98
6.5.2. CInO over time	99
6.5.3. CInO age	100
6.5.4. Education	101
6.5.5. Gender	102

	<i>pag.</i>
6.6. The activities of the CInO	103
6.7. Digital Innovation: Common Priority or Competing Objective?	105
6.8. Organizational model	108
6.8.1. The team of the CInO	108
6.8.2. Budget of the CInO	110
6.9. CInO and turnover growth	112
6.10. Digital Transformation and the Role of CInOs	113
6.11. Performance	114
6.12. Synergy Between Digital Innovation and Sustainability	116

7

Leading digital Innovation: Future trends

7.1. Context	119
7.2. Profile	120
7.3. Budget and team	120
7.4. Shift in strategy	121
7.5. Digital innovation: A universal strategy for all companies?	122
7.6. The CInO paradox	123
7.7. Suggestion for future research	124
7.8. New trends	125
7.8.1. Evolution of the role of the CInO	125
7.8.2. CInO & Digital innovation in the healthcare industry	126
7.8.3. From Innovation to Digital Transformation & Sustainability	127

8

Conclusion 131

Appendix 1 – <i>Hotel search scenario</i>	133
Appendix 2 – <i>Interview scenario</i>	133
<i>References</i>	135