Contents

Acknowledgments 9

Foreword 11
  Why this book? 11
  Where does this book come from? 12
  What to expect in this book? 13
  How to read this book? 15

1 The Digital Scholar Framework 17
  1.1 The Digital World 17
  1.2 Digital Technologies 20
  1.3 Digital Competences 22
  1.4 The Digital Scholar 26
  1.5 The Digital Scholar Framework 27
    1.5.1 The Digital Scholar as a Human Being 27
    1.5.2 The Digital Scholar as an Academic 29
    1.5.3 The Digital Scholar as a Role Player 29
  1.6 Evolving as a Digital Scholar 30
  1.7 How to understand and use the Digital Scholar framework 31

References 31

2 The Digital Scholar as Author: Choices in disseminating scholarly work 33
  2.1 Introduction 34
  2.2 Academic authorship and its relation to the disciplinary field and online 35
    2.1.1 The impact of field, capital and habitus on digital scholarship 36
    2.1.2 Academic identity in a digitised world 38
  2.3 Approaches in conveying scientific ideas to the broader community 39
    2.3.1 Journal Publishing 39
    2.3.2 Critical engagement with your scholarly impact (Self, Team, Society, Global) 42
2.4 Moving beyond journal publication towards a digital context
   2.4.1 The affordances of social media in scientific knowledge dissemination
   2.4.2 Social media platforms
   2.4.3 Academic social networking
   2.4.4 Academic blogging
   2.4.5 The digital portfolio: An integrative approach to scientific authorship

2.5 Suggestions for the way forward

2.6 Conclusion

References

3 The Digital Scholar as Storyteller: Using digital audio in teaching, research and social impact
   3.1 Introduction
   3.2 The power of the human voice, audio and the telling of stories
   3.3 Using audio in Teaching and Learning
      3.3.1 Creating audio teaching resources
      3.3.2 Using recorded audio feedback in assessment for and of student learning
      3.3.3 Creating Digital Stories for student engagement and reflection
   3.4 Research and social impact perspectives on storytelling
   3.5 How to record, edit and publish good audio
   3.6 Suggested way forward
   3.7 Final thoughts on audio and stories

References

4 The Digital Scholar as Creator: Integrating digital media design with scholarly practice
   4.1 Introduction
   4.2 ‘Creation’ in practice
   4.3 A three-tiered approach to digital media creation
      4.3.1 Planning of content
      4.3.2 Choice of ICT and digital media genre
      4.3.3 Process of design
   4.4 The way forward
   4.5 Conclusion

References
5 The Digital Scholar as Integrator: Why, how and where to bring your teaching, research and social impact to life

5.1 Introduction

5.2 Why or to what end do we integrate?
   5.2.1 Integrate towards powerful cumulative knowledge-building
   5.2.2 Integrate with the aim of digital access for all – Universal Design for Learning
   5.2.3 Be open to being open
   5.2.4 Always be critical – as a good scholar should

5.3 How do we integrate? Theory-informed practices around Integration
   5.3.1 Integrate with a plan – Curriculum and pedagogical design strategies, frameworks and planners
   5.3.2 Making cognitively pleasing and persuasive multimedia resources
   5.3.3 Teaching collaboratively online (in emergencies) – some pointers

5.4 “Where” to integrate?

5.5 Suggested way forward

5.6 Some final integratory remarks

References

6 The Digital Scholar as Networker: Re-thinking why and how we ‘network’

6.1 Introduction: Considering networking and social networks

6.2 A shift in thinking about networking
   6.2.1 Networking for scholarship
   6.2.2 Networking for teaching
   6.2.3 Networking for service

6.3 Suggestions for next steps

6.4 Conclusion

References

7 Professional Development Approaches for Digital Scholars: Taking ownership of your professional learning

7.1 Introduction

7.2 Continuous professional development
   7.2.1 Digital knowledge: Digital tools and their affordances
7.2.2 Pedagogical knowledge: Pedagogical approaches associated with digital technologies 142
7.2.3 Vehicle for further knowledge development: Exploring different avenues for learning 145
7.3 Aspects associated with digital technology use 147
  7.3.1 Human factors related to continuous professional development choices 147
  7.3.2 Human action and digital technology 150
  7.3.3 Knowledge application: Translating learning into practice 153
7.4 Suggested way forward 156
7.5 Conclusion 156
References 156

8 The Future Digital Scholar 159
  8.1 Introduction 159
  8.2 Be agile 160
    8.2.1 Agile methods 160
    8.2.2 Agile methods for a digital scholar: Focusing on instructional design 161
  8.3 Watch the trends 163
    8.3.1 Gartner hype cycle 164
    8.3.2 EDUCAUSE Horizon Report 166
    8.3.3 Innovating Pedagogy 167
  8.4 Engage in action research 167
  8.5 Lead the change 169
  8.6 In sum: Go DIGITAL 173
References 174

Notes 175

About the authors 181