## Contents

**Notes on Contributors**  ix

**Acknowledgments**  xvi

1  **Introduction to the Handbook: Vocational Education and Training (VET) Theory, Practice, and Policy for a Complex Field of Inquiry**  1  
*David Guile and Lorna Unwin*

### Part I  VET as an Evolving Concept  17

2  **VET, Expertise, and Work: Situating the Challenge for the Twenty-First Century**  19  
*David Guile and Lorna Unwin*

3  **Vocational Education and the Individual**  41  
*Stephen Billett*

4  **VET, HRD, and Workplace Learning: Where to From Here?**  63  
*Paul Hager*

5  **Does Vocational Education Still Need the Concept of Occupation?**  81  
*Alison Fuller*

6  **Knowledge, Competence, and Vocational Education**  97  
*Leesa Wheelahan*

### Part II  The Political Economy of VET  113

7  **Political Economy of Vocational Education and Training**  115  
*Damian Oliver, Serena Yu, and John Buchanan*

8  **The Politics of Vocational Training: Theories, Typologies, and Public Policies**  137  
*Marius R. Busemeyer and Christine Trampusch*
<table>
<thead>
<tr>
<th>Chapter</th>
<th>Title</th>
<th>Author(s)</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>The Industrial Relations of Training and Development</td>
<td>Mark Stuart</td>
<td>165</td>
</tr>
<tr>
<td>10</td>
<td>Measuring Performance in Vocational Education and Training</td>
<td>Samuel Muehlemann</td>
<td>187</td>
</tr>
<tr>
<td>11</td>
<td>Excluded Within the Inclusive Institution: The Case of Low-Skilled, Low-Wage Security Employees</td>
<td>Soon-Joo Gog</td>
<td>207</td>
</tr>
<tr>
<td></td>
<td><strong>Part III  Arrangements for VET</strong></td>
<td></td>
<td>227</td>
</tr>
<tr>
<td>12</td>
<td>The Contested Evolution and Future of Vocational Education in the United States</td>
<td>Brian Durham and Debra D. Bragg</td>
<td>229</td>
</tr>
<tr>
<td>13</td>
<td>The Future of Vocational Education in Canadian Secondary Schools</td>
<td>Alison Taylor</td>
<td>251</td>
</tr>
<tr>
<td>14</td>
<td>The Interrelation of General Education and VET: Understandings, Functions, and Pedagogy</td>
<td>Vibe Aarkrog</td>
<td>275</td>
</tr>
<tr>
<td>15</td>
<td>The Sustainability of the Dual System Approach to VET</td>
<td>Thomas Deissinger</td>
<td>293</td>
</tr>
<tr>
<td>16</td>
<td>Duality and Learning Fields in Vocational Education and Training: Pedagogy, Curriculum, and Assessment</td>
<td>Matthias Pilz and Bärbel Fürstenau</td>
<td>311</td>
</tr>
<tr>
<td>17</td>
<td>VET Teachers and Trainers</td>
<td>Kevin Orr</td>
<td>329</td>
</tr>
<tr>
<td></td>
<td><strong>Part IV  VET as a Developing Practice</strong></td>
<td></td>
<td>349</td>
</tr>
<tr>
<td>18</td>
<td>The Learning Potential of Boundary Crossing in the Vocational Curriculum</td>
<td>Arthur Bakker and Sanne Akkerman</td>
<td>351</td>
</tr>
<tr>
<td>19</td>
<td>Designing Technology-Enhanced Learning Environments in Vocational Education and Training</td>
<td>Carmela Aprea and Alberto A. P. Cattaneo</td>
<td>373</td>
</tr>
</tbody>
</table>
20 VET as Lifelong Learning: Engagement With Distributed Knowledge in Software Engineering 395
Monika Nerland and Crina I. Damşa

21 Innovative Work-Based Learning for Responsive Vocational Education and Training (VET): Lessons From Dutch Higher VET 415
Aimée Hoeve, Wietske Kuijer-Siebelink, and Loek Nieuwenhuis

22 Capturing the Elusive: How Vocational Teachers Develop and Sustain Their Expertise 433
Janet H. Broad and Ann Lahiff

Part V Challenges for VET 455

23 The Challenges VET Faces Through Its Intersection With Social Class, Gender, Ethnicity, and Race 457
Karen Evans

24 The Contribution of Vocational Education and Training in Skilling India 479
Tara Nayana and Sanath Kumar

25 Vocational Education and Training in Economic Transformation in China 495
Zhiqun Zhao and Yunbo Liu

26 Working with Historical, Cultural, and Economic Logics: The Case of Vocational Training in Argentina 513
Claudia Jacinto

27 The Evolution of Learning Regions: Lessons From Economic Geography for the Development of VET 531
Laura James

Index 549