

# Contents

<b>1</b>	<b>Introduction to: Arts, Research, Innovation, and Society (ARIS) . . .</b>	<b>1</b>
	Gerald Bast, Elias G. Carayannis, and David F.J. Campbell	
<b>2</b>	<b>Fighting Creative Illiteracy . . . . .</b>	<b>5</b>
	Gerald Bast	
<b>3</b>	<b>Art and Artistic Research in Quadruple and Quintuple Helix Innovation Systems . . . . .</b>	<b>29</b>
	Elias G. Carayannis and David F.J. Campbell	
<b>4</b>	<b>The Culture of Information and the Information of Culture . . . . .</b>	<b>53</b>
	Elias G. Carayannis, Denisa Popescu, and Ali Pirzadeh	
<b>5</b>	<b>Art, Research and Society: New Ecology: The Affective Power . . .</b>	<b>75</b>
	Vivienne Wang	
<b>6</b>	<b>Crossing Thresholds: Artistic Practice in Times of Research . . . . .</b>	<b>101</b>
	Richard Jochum	
<b>7</b>	<b>A 3D “T-shaped” Design Education Framework . . . . .</b>	<b>123</b>
	Yongqi Lou and Jin Ma	
<b>8</b>	<b>The Heterodox Pedagogy: Hackerspaces and Collaborative Education in Design . . . . .</b>	<b>137</b>
	Mitchell Joachim and Maria Aiolova	
<b>9</b>	<b>The Noetic Turn: From Language-Based to Tool-Based Knowledge Trees . . . . .</b>	<b>155</b>
	Peter Weibel	
<b>10</b>	<b>United Micro Kingdoms: A Design Fiction (2013), Critical Design FAQ (2007) . . . . .</b>	<b>177</b>
	Anthony Dunne and Fiona Raby	

<b>11</b>	<b>What Is at Stake: qu'est-ce que l'enjeu? Paradoxes: Problematics: Perspectives in Artistic Research Today . . . . .</b>	<b>197</b>
	Giacco Schiesser	
<b>12</b>	<b>Thinking Out of the Urban Design Toolbox . . . . .</b>	<b>211</b>
	Anton Falkeis	
<b>13</b>	<b>Heterotopoetic . . . . .</b>	<b>223</b>
	Alexander Damianisch	
<b>14</b>	<b>Art and Design as Social Fabric . . . . .</b>	<b>229</b>
	Ruth Mateus-Berr	
<b>15</b>	<b>Provocation as a Constructive Element in the Arts and in Education to Foster Societal Development and Innovation: Experience and Knowledge as Forms of Social Relations . . . . .</b>	<b>269</b>
	Barbara Putz-Plecko	
<b>16</b>	<b>Arts, Research, Innovation, and Society (ARIS): Conclusion . . . . .</b>	<b>287</b>
	Elias G. Carayannis, Gerald Bast, and David F.J. Campbell	
	<b>Index . . . . .</b>	<b>295</b>

Arts, Research, Innovation and Society

Bast, G.; Carayannis, E.G.; Campbell, D.F.J. (Eds.)

2015, X, 297 p. 108 illus., 75 illus. in color., Hardcover

ISBN: 978-3-319-09908-8