# Table of contents

Preface Michelle Howard 10

Introducing Research – Observe – Make (ROM) 10

Research – Observe – Make + Reflect 14

Michelle Howard 16

The Development of Research – Observe – Make (ROM) 16

+ +

Construction Material Technology (CMT) 24

Conversation Series / Konversationsreihe 24

Christian Fröhlich 24

.1

Interview with Michelle Howard 26

Interview mit Peter Bauer 28

Interview mit Helmut Hempel 30

Interview mit Jochen Käferhaus 32

Interview mit Günther Dreger and Benedikt Frass 34
1 Book 1 – Elemental Interactivity

Jochen Käferhaus
ROM – Vorsprung durch Technik

1.1 Elemental Interactivity I
Building a Good climate – Studio description
With commentaries by Mark West and Meritt Bucholz

1.1.1 Karlis Berzins – Position vs Disposition
1.1.2 Doris Scheicher – Moss Pavilion
1.1.3 Dawid Klich – Bamboo Pavilion
1.1.4 Orit Theuer – Activating Schiller
1.1.5 Fabian Liszt – Neglige
1.1.6 Matiss Kaufmannis – Stacked Pavilion

1.2 Elemental Interactivity II
Gone with the Wind – Studio description
With commentaries by Peter Carroll and Michael Stadler

1.2.1 Desislava Petkova and Matej Malenka – The Beast
1.2.2 David Rasner and Nikolaus Rach – The Wind Waves Instrument
1.2.3 Ömer Pekin and Nikola Znaor – Exhausted! Recycling Unwanted Air
1.2.4 Lukas Wulz and Daniel Niens – Two Frames. Perceiving Energy.

1.3 Elemental Interactivity III
On the Modifications of Clouds – Studio description
With commentaries by Marike Schuurmann and Stefan Rutzinger

1.3.1 Eva Herunter and Fabian Puttigner – Hygrometer
1.3.2 Lukas Debiasi, Anna Aichinger and Frank Ellenberger – 110G
1.3.3 Patrick Pregesbauer and Jiri Tomicek – Interpolation
1.3.4 Roxi Rieder, Anna Requat and Anna Valentiny – Particles
<table>
<thead>
<tr>
<th>2.1 Spatial Interactivity I</th>
<th>2.1.1 Marketa Brezovska – Haus 01</th>
<th>2.1.2 Robert Freudenberg – Simple and Strong</th>
<th>2.1.3 Franz Kropatschek – Pixellate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building Fast – What Succeeds The Secession? – Studio description</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>With commentaries by Mario Carpo and Hannes Stiefel</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.2 Spatial Interactivity II</td>
<td>2.2.1 Martin Denk – Connecting Cubes</td>
<td>2.2.2 Perrine Montfort – The Way</td>
<td>2.2.3 Lukas Pazmandy – Atrium House</td>
</tr>
<tr>
<td>Connecting Spaces – Studio description</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>With a commentary by Barbara Campbell-Lange</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.3 Spatial Interactivity III</td>
<td>2.3.1 Laurenz Berger – Grasping Character, Introducing Looseness</td>
<td>2.3.2 Märtins Duselis – Just Enough Light</td>
<td>2.3.3 Barbara Weber – The Well-Tempered Environment</td>
</tr>
<tr>
<td>The Audacity of Preservation – Studio description</td>
<td></td>
<td></td>
<td>of the University of Economics</td>
</tr>
<tr>
<td>With a commentary by Nasrine Seraji and Anett Zinsmeister</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.4 Spatial Interactivity IV</td>
<td>2.4.1 Matthias Brandmaier – Vertical Looseness</td>
<td>2.4.2 Tina Wintersteiger – On Air</td>
<td>2.4.3 Christoph Edler – Cutting Transitions</td>
</tr>
<tr>
<td>The Efficiency of Looseness – Studio description</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>With a commentary by Shelley Mcnamara and Martin Lechner</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.4.4 Jana Sipulova – Undesired Solitude</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.4.5 Elisabeth Zeininger – Loose Hub</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
3 Book 3 – Material Interactivity

Peter Bauer
ROM – Eine Abrechnung

3.1 Material Interactivity I
Landscape Una[Bridge]d – Studio description
With commentaries by Hans Frey and Inge Andritz

3.1.1 Teresa Traunsteiner – Mind the Gaps
3.1.2 Martin Radner – Detour
3.1.3 Sebastian Bauer – The Nature and Technology Trail

3.2 Material Interactivity II
Water, Aggregate, Cement and a Container – Studio description
With commentaries by Vincent Ducatez and Peter Ramskogler

3.2.1 Lucie Najvarova – Eleven Vaults
3.2.2 Christopher Ghouse – Topographic
3.2.3 David Spang – Templar Landscape
3.2.4 Ralph Steffek – Hidden Innards
3.2.5 Michael Hansen – Cones of Light and Shade

3.3 Material Interactivity III
There is a Light that Never Goes Out – Studio description
With commentaries by Shadi Rahbaran and Andre Broesel

3.3.1 Fabian Liszt – Body, Brain and Light
A project for people with epilepsy
3.3.2 Ben Grabherr – Retrospect and Prospect
A project for people with dementia
3.3.3 Sureya Miller – Light Movement Number 1
A project for people with Cystic Fibrosis
4.1 Workshops & Short Projects
With commentaries by Hermann Czech and Scott Chaseling

4.1.1 Glass I: Seeing Through the Transparency Myth
Lectures with Michelle Howard / Workshop with Scott Chaseling

4.1.2 Glass II: There Is a Light that Never Goes Out
With Rike Scholle and Eduard Deubzer

4.1.3 The Good Climate Workshop
With Michelle Howard

4.1.4 The Acoustics Workshop
With Renz van Luxemburg

4.1.5 The Concrete Workshop
With Michelle Howard

4.1.6 The Architecture of Small Spaces Workshop
With Michelle Howard and Lisa Schmidt-Colinet

4.2 Lectures and Experiments in Shaping Materials
With a commentary by Gian Mauro Maurizio

4.2.1 Blerim Kurtishi – Folding Concrete

4.2.2 Christiane Hütter – Controlling Deformation

4.2.3 Camilla Struklec – An Experiment with a Stretch Wrapping Film

4.2.4 Felix Rebers – Destroyed Trees

4.2.5 Jurgis Gecys – Inflatable Formwork for Organic Solid Shapes

4.2.6 Kay Sallier – Cuir Bouillli

4.2.7 Rena Giesecke – Smocking Structures

4.2.8 Miriam Pollak – Sugar Landscape

4.2.9 Max Müller and Max Weidacher – Concrete from Scratch
4.3 Lectures and Experiments in Observation
With a commentary by Jürgen Radatz 232

4.3.1 Terezia Greskova – 144 Hours in a Train 234
4.3.2 Anna Csefalvay – Daily Dust Diary 235
4.3.3 Bastian Vollert – Analysis Type II 236
4.3.4 Teresa Traunsteiner – It’s a Noisy Day 237

4.4 Lecture Series 238
4.4.1 Materialising Ideas in an Age of Digital Production 240
4.4.2 Our Concrete Ideas 242
4.4.3 The Practice of Research 243

Appendix 244
Contributors 246
Commentators 250
Sponsors 254
Imprint 255