

Contents

9	Forewords Stefano Boeri, Vicente Gonzalez Loscertales, Giuseppe Sala, Enzo Moavero Milanesi, Alberto Bonisoli
16	Broken Nature Paola Antonelli
43	A Changed Climate
44	Visions That Move Mountains Ala Tannir
50	Leaky Design for a Broken Present Emily Eliza Scott
57	Silent Spring and Rachel Carson's Epoch-Making Clarion Call for Unbreaking Nature Maria Popova
62	Totems Neri Oxman and The Mediated Matter Group
68	Plastiglomerate Kelly Jazvac et al.
70	Beyond Drifting: Imperfectly Known Animals Mandy Barker
72	Think Evolution #1: Kiku-ichi (Ammonite) Aki Inomata
73	Reliquaries Paola Bay and Armando Bruno
74	ALMA Music Box: Melody of a Dying Star Whatever et al.
76	Resurrecting the Sublime Alexandra Daisy Ginsberg et al.
77	Italian Tropics / Fiore di Loto The Future Continuous
78	Svalbard Global Seed Vault Nordic Genetic Resource Center et al.
79	Never Alone Upper One Games
80	Italian Limes Studio Folder et al.
82	Ice Stupa: Artificial Glaciers of Ladakh SECMOL et al.
84	Maldives/Sandbars MIT Self-Assembly Lab et al.
85	MARS Alex Goad
86	Nanohana Heels Sputniko!

Complex Environments

87	Redesigning the System Adam Bly
94	Biomonotony Etienne Turpin
101	The Great Animal Orchestra Bernie Krause and UVA
104	Ganges Water Machine: Designing New India's Ancient River Anthony Acciavatti

106	Emergent and Erratic: Monsoonal Transmogrification of Land, Air, and Sea Monsoon Assemblages
108	Wind Map Fernanda Viégas and Martin Wattenberg
109	The Legal Status of Ice Irene Stracuzzi
110	Pacific Aquarium Design Earth
112	Anatomy of an AI System Kate Crawford and Vladan Joler
114	The Path to Luma Phosphor Games Studio
115	Caskia / Growing a MarsBoot OurOwnsKIN and Officina Corpuscoli
116	Million Dollar Blocks Spatial Information Design Lab, GSAPP et al.
118	The Fallacy of the Closed System [Malfictions] El Último Grito
119	Local River Mathieu Lehanneur
120	Three Material Stories Lindsey Wikstrom Lee
122	Seed Journey Futurefarmers
123	Totomoxtle Fernando Laposse et al.
124	PIG 05049 Christien Meindertsma and Julie Joliat
126	Wonderwater Café Jane Withers and Kari Korkman

Made and Unmade

127	Better Nature Alexandra Daisy Ginsberg
128	Martin Margiela's Long-Lost Legacy: The Circular Economy Pioneer Shaway Yeh
133	
138	Ore Streams Formafantasma
144	Fairphone 2 Fairphone
145	Mixtape Scott Bodenner
146	Transitory Yarn Alexandra Fruhstorfer et al.
148	Acoustic Fur Christien Meindertsma
149	Concept Shoe and UltraBOOST Uncaged from Adidas x Parley Parley for the Oceans and Adidas
150	Algae Geographies Atelier Luma / Luma Arles with Studio Klarenbeek & Dros et al.
152	Oki Naganode Julia Lohmann
154	The Agari Project Ari Jónsson
155	Geomerce Gionata Gatto and Giovanni Innella
156	Palm Stool from Can City Studio Swine
158	Cape Mongo Francois Knoetze
160	100 Chairs in 100 Days Martino Gamper
161	The Sausage of the Future Carolien Niebling and ECAL/École cantonale d'art de Lausanne
162	Anima Kosuke Araki
163	Damaged Goods, Tracing, Under Blue Skies, and Going Blank Again Caroline Slotte
164	Terra Cotta #1 Talia Mukmel
165	Adaptive Manufacturing Olivier van Herpt and Sander Wassink
166	Hy-Fi Bricks The Living
168	Voxel Bio-welding and Jammed Bio-welding The Living
169	Tissue Printing Nervous System and Miller Lab at Rice University
170	Silk Pavilion Neri Oxman and The Mediated Matter Group
172	Alces Alces Victor Alge
173	Geolana Edizero Architecture for Peace
174	Capsula Mundi Anna Citelli and Raoul Bretzel



175

Mores of the Times

176

Imagining a World Out Loud: City Making as Creative Practice

Gabriella Gómez-Mont

181

Conversations with Bina48

Stephanie Dinkins

186

The Room of Change

Accurat

190

Fixperts Daniel Charny and Dee Halligan

192

>VEEG Social Label

193

Woobi Play Kilo Design and Airmotion Laboratories

194

Design Museum Dharavi Jorge Mañes Rubio and Amanda Pinatih

196

Urban Parasites Gilberto Esparza

197

NukaBot Dominique Chen and Ferment Media Research

198

Raising Robotic Natives Stephan Bogner et al.

200

No Plooshon Jacket Gruff ap Garth at Little Inventors

201

Super Grow 11000 Arthur Dobson at Little Inventors

202

SUN+ buro BELÉN

204

Seated Design Lucy Jones

206

Period-Proof Underwear Thinx

206

Ruby Cup Ruby Life Ltd.

208

Women and Heart Disease: Physician Bias and AI Karthik Dinakar et al.

209

Janma—The Clean Birth Kit ayzh

210

Lia Pregnancy Test LIA Diagnostics

211

BEE'S Susana Soares

212

Tialoque 200 Liter Isla Urbana

213

Água Carioca—Urban Circulatory Systems in Brazil Ooze Architects et al.

214

Water Tasting Arabeschi di Latte and Jane Withers Studio

215

Hippo Roller Pettie Petzer and Johan Jonker

216

Quinta Monroy Incremental Housing Project Elemental



217

Bridges

218

Never Despair, Your Miracle Is around the Corner:

The Multiple Forms of Designing the Social Koyo Kouoh

224

What Is Not Mine Is Yours: Meliponiculture

as Design Humanism Frederico Duarte

231

Mineral Autobiography

Sophia Roosth

236

Birdsong

Sigil

242

Grasslands Suspended Linda Tegg and Baracco+Wright Architects

243

A.A.I. Agnieszka Kurant

244

The Political Equator Estudio Teddy Cruz + Fonna Forman et al.

246

The Crime of Rescue—The Iuventa Case Forensic Oceanography and Forensic Architecture et al.

248

Abzû Giant Squid Studios

249

SoFi MIT Computer Science and Artificial Intelligence Lab

250

Il Leone delle Donne (Women's Lion) Chiara Vigo

252

The Ise Bay Project MAP Office

254

El árbol de la vida y la abundancia; La vega II; Mata de achiote;

Vañoobo tabaco origen Abel Rodríguez

256

Ladybird Umbrella Sophia Carr at Little Inventors

257

Whale Songs PAIR and Creative Lab at Google

258

Goatman Thomas Thwaites

260

Human X Shark Ai Hasegawa

261

Sanctuary Patricia Piccinini

262

Moyasimon Masayuki Ishikawa

263

Menstruation Machine—Takashi's Take Sputniko!

264

Intake Facility for an Anonymous Client theLab-lab for architecture

266

Nature Self-Portraits Laura Aguilar



268

International Participations

270

An Architecture of Acceptance, an Infrastructure

of Interaction Laura Agnesi and Marco Sammiceli

278

Algeria

281

Australia

284

Austria

287

Bhutan

290

China

293

Cuba

296

Czech Republic

299

Finland

302

France

305

Germany

308

Haiti

311

Italy

314

Lebanon

317

Lithuania

320

Republic of the Union of Myanmar

323

Netherlands

326

Poland

329

Russia

332

Slovenia

335

Sri Lanka

338

Tunisia

341

United Kingdom

344

United States of America

347

Milan

350

The Nation of Plants

352

Acknowledgments

355

List of projects and lenders in the show

357

Index of names and themes