COMPUTATIONAL DESIGN

NEIL LEACH, PHILIP F. YUAN

UNIVERSITY PRESS

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This book is the latest in a series of publications co-edited by Philip Yuan and Neil Leach, and published by Tongji University Press on the theme of Digital Futures. The publications build upon a series of international computational design and digital fabrication workshops run by CAUP at Tongji University in which many of the contributors to this volume have taken part.

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PREFACE

Computational Design offers an informed overview of the impact of computational techniques on architectural design today. It provides a snapshot of the latest developments in the field, drawing upon the leading experts in architectural practice and education from across the globe.

Computational Design is being published simultaneously with a companion volume, *Digital Fabrication*. Together they form part of the first list of English language texts to be published by Tongji University Press. The content of this volume is subtly, but significantly, different to that of *Digital Fabrication*. Whereas *Digital Fabrication* looks at the role of computation in the fabrication process, *Computational Design* looks at the role of computation in the design process. As such, the two volumes are deeply complementary. However, it is not a simple question of distinguishing between what has been designed and what has been fabricated. Indeed, most buildings today are both designed and fabricated with some form of computational support. Rather *Computational Design* addresses what has been designed primarily using computational techniques whereas *Digital Fabrication* addresses what has been fabricated primarily using computational technologies.

Computational Design is the latest publication in a long-standing collaboration between Neil Leach and Philip F. Yuan on the production of a series of books published by Tongji University Press under the DigitalFUTURES initiative. This initiative began in 2012 with the publication of *Scripting the Future* and *Fabricating the Future*.

Neil Leach
Philip F. Yuan

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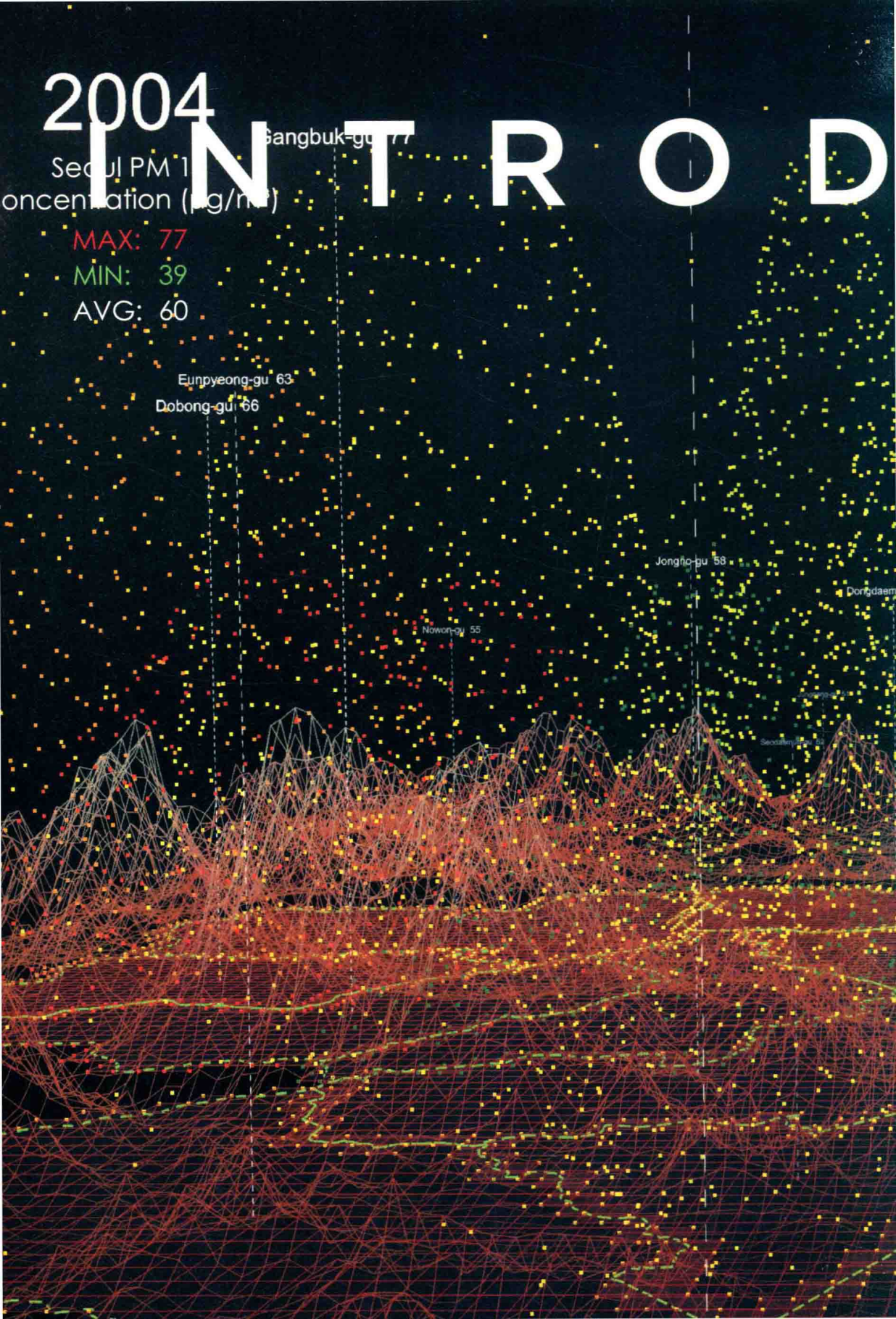
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MIN: 39
AVG: 60
Sangbuk-gu 77
Eunpyeong-gu 63
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Nowon-gu 55
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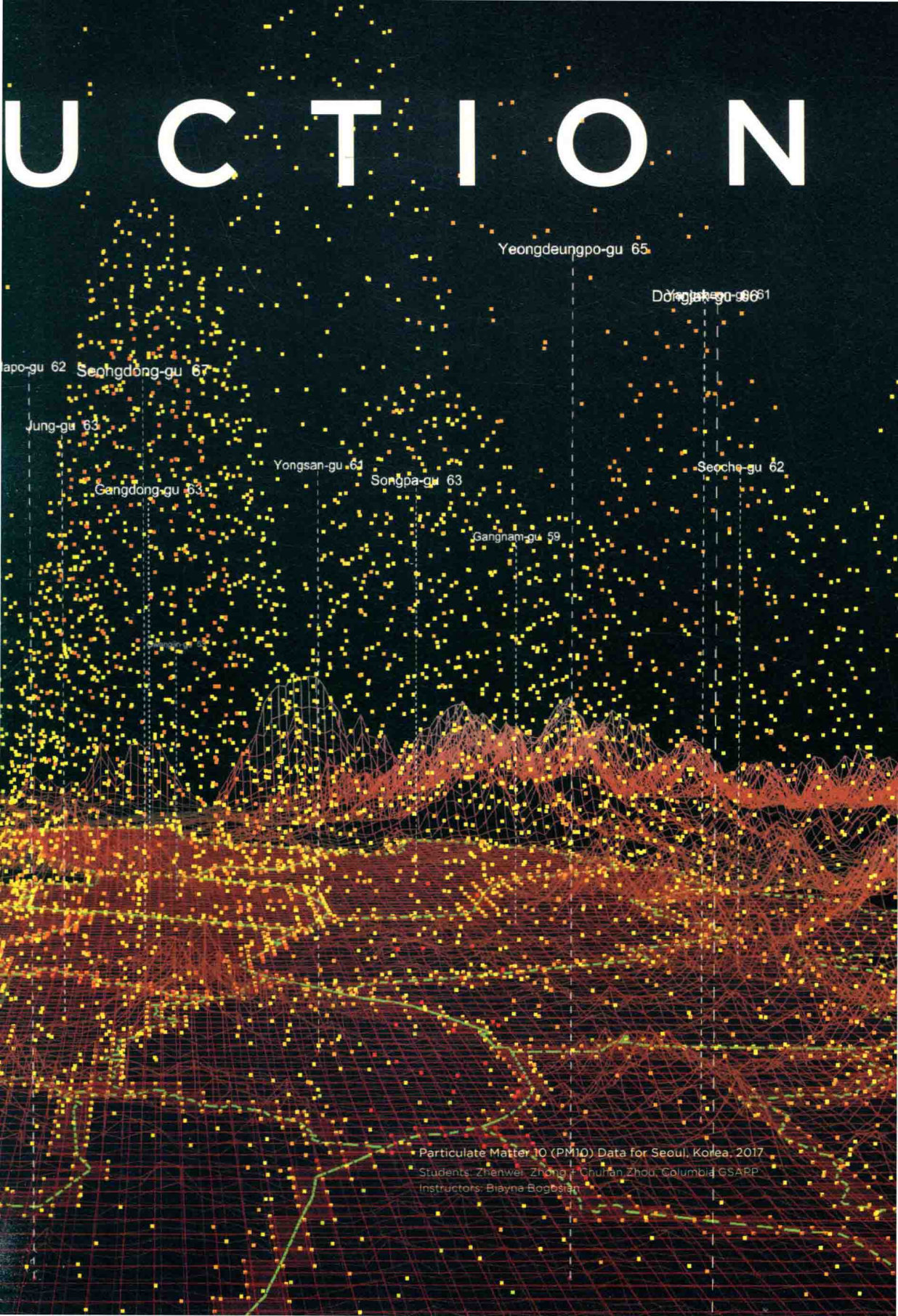

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