

Contents

List of Contributing Authors — VII

Tullio Ceccherini-Silberstein, Michel Coornaert, and Xuan Kien Phung

- 1 Cellular automata over shifts and subshifts: Garden of Eden theorems and surjunctivity — 1**

Laura Ciobanu and Alex Levine

- 2 Languages, groups, and equations — 63**

Jordi Delgado and Enric Ventura

- 3 Stallings' automata — 95**

Robert Gilman

- 4 Groups with multiple context-free word problems — 161**

Markus Lohrey

- 5 Parallel complexity in group theory — 183**

Jan Philipp Wächter and Armin Weiß

- 6 The word problem for automaton groups — 265**

Index — 397

