

# Table of Contents

|                |  |    |
|----------------|--|----|
| <b>Preface</b> | by Masaki Kashiwara, Kazuhiko Koike, Soichi Okada, Itaru Terada,<br>and Hiro-Fumi Yamada |    |
| <b>Part 1</b>  | <b>Computational Aspects of Root Systems, Coxeter<br/>Groups and Weyl Characters</b>     | 1  |
|                | by John R. Stembridge  |    |
| <b>Part 2</b>  | <b>Lectures on Noncommutative Symmetric Functions</b>                                    | 39 |
|                | by Jean-Yves Thibon  |    |
| <b>Part 3</b>  | <b>The Littlewood-Richardson Rule, and Related<br/>Combinatorics</b>                     | 95 |
|                | by Marc A. A. van Leeuwen  |    |