

Preface

The 9th MSJ-SI (Mathematical Society of Japan, Seasonal Institute) “Operator Algebras and Mathematical Physics” was held at Tohoku University for the period August 1–12, 2016. The first half was Summer School (August 1–5) and we had seven invited speakers: Masaki Izumi, Roberto Longo, Hiroki Matui, Yoshiko Ogata, Narutaka Ozawa, Sorin Popa and Ingo Runkel. The second half was Conference (August 8–12) and we had 21 invited speakers: Benoît Collins, Marius Dadarlat, David Evans, Terry Gannon, Pinhas Grossman, Cyril Houdayer, Adrian Ioana, David Kerr, Yoshikata Kida, Ralf Meyer, Bruno Nachtergaele, Jesse Peterson, Ian Putnam, Karl-Henning Rehren, Mikael Rørdam, Yasuhiko Sato, Yoh Tanimoto, Stefaan Vaes, Wilhelm Winter, Feng Xu and Makoto Yamashita.

We covered a wide range of topics in theory of operator algebras and mathematical physics related to it. This meeting was on the occasion of the 60th anniversary of Sakai’s characterization of the W^* -algebras.

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All papers in this volume have been refereed and are in final form. No version of any of them will be submitted for publication elsewhere.