

ROBERT SEIRINGER

E-mail: robert.seiringer@ist.ac.at
URL: <https://pub.ista.ac.at/~rseiring>

IST AUSTRIA
Am Campus 1
3400 Klosterneuburg
Austria

CURRICULUM VITAE

POSITIONS

- 2020–2023:** Area Chair for Mathematical and Physical Sciences at IST Austria
- As of 2013:** Professor at the Institute of Science and Technology Austria
- 2010–2013:** Associate Professor at McGill University, Department of Mathematics and Statistics
- 2003–2010:** Assistant Professor at Princeton University, Department of Physics.
- 2001–2003:** Post-Doc position at Princeton University, supported by the Austrian Science Fund in the form of an Erwin Schrödinger fellowship.
- 2000–2001:** Employment as an Assistant at the Institute for Theoretical Physics, University of Vienna.
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EDUCATION

- Oct. '05** “Habilitation” at the University of Vienna, Institute for Theoretical Physics. Title of thesis: *Quantum Many-Body Systems with Short-Range Interactions*.
- 1999–2000:** PhD thesis under supervision of Prof. Jakob Yngvason at the Institute for Theoretical Physics, University of Vienna; Title: *Contributions to the Rigorous Theory of Many-Body Quantum Systems*. PhD degree in Nov. 2000.
- 1995–1999:** Studies of Theoretical Physics at the University of Vienna, Austria. Diploma thesis under supervision of Prof. Jakob Yngvason; Title: *Interacting Bose Gases in External Potentials*. Master’s degree (“Magister”) in Sept. 1999.

AWARDS, GRANTS AND FELLOWSHIPS

- 2023:** Erwin Schrödinger Prize of the Austrian Academy of Sciences
- 2021:** Elected member of the Academia Europaea
- 2019:** Elected Fellow of the American Mathematical Society
- 2017:** Elected corresponding member of the Austrian Academy of Sciences
- 2016–2022:** ERC Advanced Grant AQUAMS, grant No. 694227
- 2015–2018:** Austrian Science Fund (FWF) grant P 27533-N27
- 2012–2014:** William Dawson Scholarship
- 2012–2014:** NSERC E.W.R. Steacie Memorial Fellowship
- 2011–2012:** NSERC Discovery Accelerator Supplement Grant
- 2011–2014:** NSERC Discovery Grant
- 2009:** Henri Poincaré Prize of the International Association of Mathematical Physics
- 2009–2010:** U.S. National Science Foundation CAREER grant PHY-0845292
- 2007–2009:** U.S. National Science Foundation grant PHY-0652356
- 2004–2007:** U.S. National Science Foundation grant PHY-0353181
- 2004–2006:** Alfred P. Sloan Fellow
- 2001–2003:** Erwin Schrödinger Fellow
- 2001:** Award for young scientists (“Talentförderungsprämie”) on behalf of the state government of Upper Austria
- 1999:** Alfred Wehrl Prize for Mathematical Physics, awarded by the Institute for Theoretical Physics, University of Vienna

SCIENTIFIC SERVICE

- Since 2023:** Editor-in-Chief for *Communications in Mathematical Physics*
- 2020–2023:** Member of the Physics Subject Advisory Committee of the *arXiv*
- 2015–2020:** Elected President of the IAMP (International Association of Mathematical Physics)
- 2014–2023:** Moderator for the mathematical physics section of the *arXiv*
- 2019–2023:** Co-editor-in-chief for *Probability and Mathematical Physics*
- 2014–2023:** Editor for *Communications in Mathematical Physics*
- Since 2011:** Member of the Editorial Advisory Board of the *Journal of Mathematical Physics*
- 2009–2021:** Associate Editor for *Letters in Mathematical Physics*
- 2008–2012:** Member of the Editorial Board of the *Journal of Statistical Physics*

GRADUATE STUDENTS

- Past:** *Jun Yin*, PhD 2008
Thomas Moser, PhD 2018
Simon Mayer, PhD 2020
Dario Feliciangeli, PhD 2021
Krzysztof Myśliwy, PhD 2022
Morris Brooks, PhD 2022
Barbara Roos, PhD 2023
- Current:** *Asbjørn Lauritsen*

ORGANIZATION OF CONFERENCES, WORKSHOPS, ETC.

- (with *C. Hainzl*, *B. Schlein*, and *S. Warzel*). Organization of workshop “Many-Body Quantum Systems” at Oberwolfach, Germany, Sept. 11–15, 2013
- (with *C. Hainzl* and *M. Napiórkowski*). Organization of Summerschool “Current Topics in Mathematical Physics”, University of Warsaw, July 31–August 4, 2023

- (with *L. Erdős, J. Fischer, and J. Maas*). Organization of “2nd IST Austria Summer School in Analysis and PDEs”, July 25–29, 2022
- (with *S. Teufel*). Organization of session “Many-body Quantum Systems and Condensed Matter Physics” at the XX International Congress on Mathematical Physics, Geneva, Switzerland, August 2–7, 2021
- (with *A. Deuchert, C. Hainzl, and B. Schlein*). Organization of Summerschool “Current Topics in Mathematical Physics”, Universität Zürich, July 19–23, 2021
- (with *C. Hainzl, B. Schlein, and S. Warzel*). Organization of workshop “Many-Body Quantum Systems” at Oberwolfach, Germany, Sept. 9–13, 2019
- Chair of the International Scientific Committee for the “XIX International Congress on Mathematical Physics”, Montreal, Canada, July 23–28, 2018
- (with *C. Hainzl and V. Jaksic*). Organization of the “Young Researchers Symposium” at the XIX International Congress on Mathematical Physics, Montreal, Canada, July 20–21, 2018
- (with *C. Hainzl*). Organization of Summerschool “Current Topics in Mathematical Physics” at the Fields Institute, Toronto, Canada, July 16–19, 2018
- (with *L. Erdős and J. Maas*). Organization of “IST Austria Summer School in Probability and Mathematical Physics”, June 4–8, 2018
- (with *R. Benguria and V. Jaksic*). Organization of session “Mathematical Physics” at the Mathematical Congress of the Americas, Montreal, Canada, July 24–28, 2017
- Member of the Scientific Advisory Board of the conference “Spectral Days 2017”, Stuttgart, Germany, April 3–7, 2017
- (with *B. Nachtergaele*). Organization of session “New mathematical topics arising in current theoretical physics” at the conference QMath13: Mathematical Results in Quantum Physics, Atlanta, GA, Oct. 8–11, 2016
- (with *C. Hainzl and B. Schlein*). Organization of workshop “Many-Body Quantum Systems and Effective Theories” at Oberwolfach, Germany, Sept. 12–16, 2016
- (with *G.M. Graf*). Organization of session on “Theoretical Physics” at the Joint Annual Meeting of the Austrian and Swiss Physical Societies, TU Vienna, Sept. 1–4, 2015
- (with *C. Hainzl, M. Lewin, E. Stockmeyer, J. Tan, and R. Tiedra*). Organization of Summerschool “Current Topics in Mathematical Physics” in Viña del Mar, Chile, August 3–7, 2015

- (with *L. Erdős* and *S. Warzel*). Organization of thematic program “Quantum Many-Body Systems, Random Matrices, and Disorder” at the Erwin-Schrödinger Institute in Vienna, Austria, June 1 – July 31, 2015
- (with *L. Ambrosio*, *R. Jerrard*, *F. Otto*, and *M. Pugh*). Organization of conference “Nonlinearity, Physics, and Patterns” at the Fields Institute, Toronto, Canada, Oct. 6–10, 2014
- (with *D. Ueltschi*). Organization of meeting on “Many-Body Quantum Systems” at the University of Warwick, England, March 17–21, 2014
- (with *M.J. Esteban* and *M. Lewin*). Organization of Summerschool “Current Topics in Mathematical Physics” at the CIRM, Marseille, France, Sept. 1–7, 2013
- (with *L. Bruneau*, *V. Jaksic*, *F. Koukiou*, and *M. Lewin*). Organization of conference “Entropy in Quantum Mechanics: Recent Advances”, University of Cergy-Pontoise, France, June 25–26, 2013
- (with *M.J. Esteban*, *M. Lewin*, and *J.P. Solovej*). Organization of conference “Mathematical properties of large quantum systems” at the Institut Henri Poincaré, Paris, France, June 17–21, 2013
- (with *C. Hainzl* and *S. Teufel*). Organization of conference “Recent Developments in the Mathematical Analysis of Large Systems” at the Erwin Schrödinger Institute, Vienna, Austria, October 1–6, 2012
- (with *V. Jaksic*). Organization of Workshop “Quantum Many-Body Systems” at the CRM, Montreal, May 28 – June 1, 2012
- (with *C. Hainzl*). Organization of Summerschool “Current Topics in Mathematical Physics” at the Erwin Schrödinger Institute, Vienna, Austria, August 16–24, 2011
- (with *L. Bruneau*, *V. Jaksic*, *F. Koukiou*, *R. Livi*, and *C. Pillet*). Joint semester “Frontiers in Mathematical Physics”, Cergy, France, May 2–27, 2011, and CRM, Montreal, July 1–29, 2011.
- (with *S. Fournais*, *C. Hainzl*, and *J. Schach Møller*). Organization of Summerschool “Current Topics in Mathematical Physics” at Aarhus University, Denmark, July 26–31, 2010.
- (with *S. Adams* and *M. Biskup*). Organization of Mini-Workshop “Mathematical Approaches to Collective Phenomena in Large Quantum Systems” at Oberwolfach, Germany, August 31 – September 6, 2008
- (with *C. Hainzl*). Organization of Summerschool “Current Topics in Mathematical Physics” at the Erwin Schrödinger Institute, Vienna, Austria, July 20–31, 2008

- *(with E.H. Lieb and M. Scully)*. Organization of Workshop “Princeton–TAMU BEC Symposium” at Princeton University, October 14–15, 2005
- *(with E.H. Lieb and J. Yngvason)*. Organization of Seminar “The Mathematics of the Bose Gas and its Condensation” at Oberwolfach, Germany, May 30 – June 5, 2004