

NANO KOREA 2017

July 12~14, KINTEX, Korea

Franco Nori

Chief Scientist. Also: Group Director of the Quantum Condensed Matter Research Group, CEMS. Also: Team Leader at iTHES (Interdisciplinary Theoretical Sciences). All at RIKEN, Saitama, Japan.

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EDUCATION

1987: Ph.D. in Physics, University of Illinois at Urbana-Champaign, USA

1983: M.S. in Physics, University of Illinois at Urbana-Champaign, USA

1982: Licenciado in Physics, Cum Laude, Univ. Simon Bolivar, Venezuela

PROFESSIONAL ACTIVITIES

- 2013— present: Chief Scientist. Also: Group Director of the Quantum Condensed Matter Research Group, CEMS. Also: Team Leader at iTHES (Interdisciplinary Theoretical Sciences). All at RIKEN, Saitama, Japan.
- 2002— 2012: Team Leader, Frontier Research System and Advanced Science Institute, RIKEN, Saitama, Japan.
- 1990— present: Assistant Professor, Associate Professor, Full Professor and Research Scientist; Dept. of Physics, University of Michigan, Ann Arbor, USA.
- 1987—89: Postdoctoral Research Fellow, Institute for Theoretical Physics, University of California, Santa Barbara.
- 1982—87: Conic Fellow and Graduate Research Assistant; Physics Department. Also at the Materials Research Laboratory; University of Illinois.

Selected Distinctions, Awards, and Honors

- 2017: Elected Member of the Latin American Academy of Sciences.
- 2016: Elected Foreign Member of the Swedish Royal Society of Arts and Sciences, in Gothenburg, Sweden.
- 2014: Elected Fellow of the Optical Society of America (OSA) “for fundamental contributions to quantum information science and optics, including circuit quantum electrodynamics, and the interface between quantum optics and quantum circuits”.
- 2014: (\$20K) Prize for Research in Physics, Matsuo Foundation, Japan. For research on: “Atomic physics and quantum optics using superconducting quantum circuits.”
- 2013: (Sept.) Korea University Distinguished Visiting Professorship.
- 2013: Prize for Science: the Commendation for Science and Technology, by the Minister of Education, Culture, Sports, Science and Technology, Japan.
- 2007: Elected Fellow of the American Association for the Advancement of Science (AAAS), USA.
- 2003: Elected Fellow of the Institute of Physics (IoP), UK.
- 2002: Elected Fellow of the American Physical Society (APS): “for innovative theoretical contributions to the study of vortex dynamics, dynamical instabilities, Josephson junction arrays and quantum interference”.
- 1998: "Excellence in Research Award" from the University of Michigan.
- 1997: "Excellence in Education Award" from the University of Michigan.

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Additional distinctions:

- 2015: Outstanding Reviewer: Physics Letters A.
- 2014: Elected member of FQXi, the Foundational Questions Institute.
- 2015: Annals of Physics “Most Valued Reviewers” of 2015.
- 2014: Annals of Physics “Most Valued Reviewers” of 2014.
- 2014: Selected as outstanding referee (top 5%) of the New Journal of Physics.
- 2014: EPL Distinguished Referee
- 2013: EPL Distinguished Referee
- 2011: Elected as Outstanding Referee of the American Physical Society (APS).
- 2011: Croucher Foundation Advanced Study Institute Speaker, Hong Kong.
- 2000: US National Academy of Sciences Frontiers of Science Symposium.
- 1992: General Electric Junior Faculty Fellow at the University of Michigan.

MAIN SCIENTIFIC PUBLICATIONS: Are available online here: <http://dml.riken.jp/pub/>

<http://www.researcherid.com/rid/B-1222-2009>

<http://scholar.google.com/citations?user=SRUYLREAAAJ&hl=en>

ISI Web of Science: > 24K citations and h-index 78.

Google Scholar: > 33K cites and h-index 90 (since 2011: ~ 21K cites, h-index 62)

Over 84 publications in *Physical Review Letters*.

Over 300 publications in *Physical Review (A, B, E, X)*, including over 120 in PRA, over 150 in PRB, over 20 in PRE, and 2 in PRX;

36 publications in *Science* and *Nature* journals;

5 in *Reviews of Modern Physics*, 9 in *Physics Reports*, 3 in *Reports on Progress in Physics*;

Over 20 in *New J. Phys.*, 11 in *Europhysics Letters*. Over 30 in *Physica A/B/C/E*, 5 in *J. Appl. Phys.*, 2 in *Appl. Phys. Lett.* and one in each of the following journals: *Physics Today*, *Scientific American*, *Advances in Physics*, among many others.

In the past decade, Dr. Nori's group has published **more than 28 papers ranked in the top 1% cited papers in all areas of Physics**. This is based on WoS data, and Essential Science Indicators. Some of these papers are in the top 0.1% and 0.01% most cited papers in physics.

Dr. Nori was ranked third in the world (out of a total of 12,269 authors) in the Thompson Reuters Science-Watch census of authors in terms of contributions to quantum computing over the decade 2001-2010 (sciencewatch.com).

RESEARCH INTERESTS:

Nano-science. Interface between condensed matter physics, quantum information, classical optics, quantum optics, atomic physics, mesoscopics, and nano-science.