

Nicoló Defenu – Complete List of Publications

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1. Oral contributions to conferences

1.1 Ph.D. Period

- **Probing and Understanding Exotic Superconductors,**
International Center for Theoretical Physics (ICTP).
27th–31st October 2014, Trieste.
Contributed Speaker.
- **20th National Conference on Statistical Physics and Complex Systems,**
University of Parma.
29 June–1 July 2015, Parma.
Contributed Speaker.
- **Hungary-Croatia-Austria-Triangle (ACHT2015) Workshop,**
University of Graz.
7th – 9th October 2015, Leibnitz.
Contributed Speaker.
- **Conference on Long-Range-Interacting Many Body Systems: from Atomic to Astrophysical Scales,**
International Center for Theoretical Physics (ICTP).
26th–29st July 2016, Trieste.
Contributed Speaker.
- **8th International conference on the Exact Renormalization Group,**
International Center for Theoretical Physics (ICTP).
19th–23rd September 2016, Trieste.
Contributed Speaker.

1.2 Post-Doc Period

- **CQD mini symposium,**
Physikalisches Institut (PI).
April 19th–20th, 2017, Heidelberg.
Contributed Speaker.
- **Young researchers' seminar,**
Institut Henri Poincare (IHP).
24th–05th April-May 2017, Paris.
Contributed Speaker.
- **Quantum Many Body Systems Out of Equilibrium,**
National Institute For Theoretical Physics (NITheP).
12th–16th March 2018, StellenBosch, South Africa.
Contributed Speaker.
- **Non-ergodicity & integrability,**
Erwin Schrödinger Institute (ESI).
28th May–1st June 2018, Vienna, Austria.
Contributed Speaker.

- **Exploring Nuclear Physics with Ultracold Atoms,**
 European Center for Theoretical Studies (ECT*).
 18th–22th June 2018, Trento, Italy.
 Contributed Speaker.
- **ERG2018 : Exact Renormalization Group 2018,**
 Pierre and Marie Curie University.
 9th–13th July 2018, Paris.
 Contributed Speaker.
- **Deutsche Physikalische Gesellschaft (DPG) 2019,**
 Rostock University.
 10th –15th March 2019, Rostock.
 Oral Contribution.
- **Machine Learning for Quantum Design,**
 Perimeter Institute.
 8th–12th July 2019, Waterloo.
 Contributed Speaker.
- **Quantum and Classical Systems with Long-Range Interactions,**
 International Institute of Physics (IIP).
 15th–19th July 2019, Natal.
 Contributed Speaker.
- **Functional and Renormalization-Group methods,**
 European Center for Theoretical Studies (ECT*).
 16th–20th September 2019, Trento, Italy.
 Contributed Speaker.
- **Quantum Systems in Extreme Conditions (QSEC),**
 Physikalisches Institut (PI).
 23th–27th September, 2019, Heidelberg.
 Contributed Speaker.

2. General Contributions to Science

Activity as a member of Young Researchers Board in the Structures Excellence Cluster.

- Ten stipends per year, in order to support conference attending and scientific visiting of the young members of the EXC collaboration has been introduced under my initiative.
- I proposed the creation of a novel exploratory project on quantum dynamics on Network Structures, which is currently under revision.
- A summer school on data science for the young member of the Structures collaboration is going to be organised thanks to my initiative.