

International Workshop QUANTUM MECHANICS: MATHEMATICS AND IDEAS

September 19, 2018 / 10 a.m. - 7 p.m.

Accademia Peloritana dei Pericolanti

Piazza Pugliatti UniME Messina

Speakers:

Prof. Maurice de Gosson (UniVIE)

Prof. Francesco Oliveri

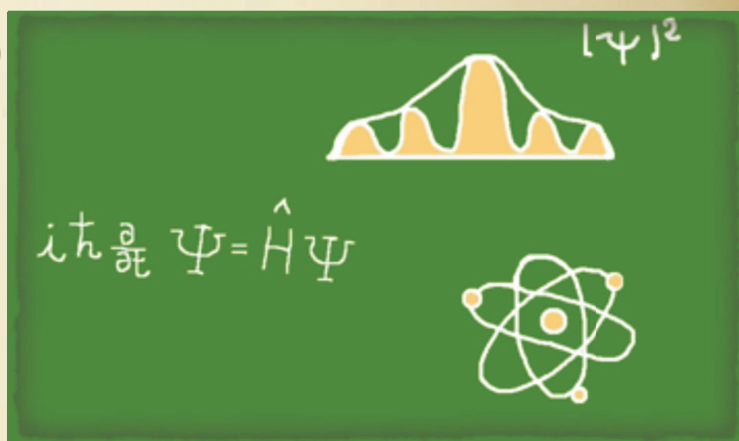
Prof. Fabio Bagarello

Prof. Santi Prestipino (MIFT)

Prof. Alessandro Sergi

Dr. Francesco Gargano

Dr. Grimaudo (UniPA)



Organizers:

Prof. Francesco Oliveri (MIFT UniME)

Prof. Fabio Bagarello (DEIM UniPA)

Prof. Alessandro Sergi (MIFT UniME)

Dr. Francesco Gargano (DEIM UniPA)

Dr. Matteo Gorgone (MIFT UniME)

Andrea Grimaldi (MIFT UniME)

Fabio Risitano (MIFT UniME)

Sponsors:

Accademia Peloritana dei Pericolanti

Dept. of Mathematics, Informatics, Physics, and Earth Science (MIFT)

Università degli Studi di Messina (UniME)

QMMI Workshop, September 19, 2018

Programme

- 10:30 – *Opening*
- 10:45 – *Welcome Adresses*

First Session – Chair Prof. F. Oliveri

- 11:00 – 11:40: **Maurice de Gosson** – *The symplectic camel.*
- 11:40 – 12:20: **Santi Prestipino** – *Freezing and supersolidity in a system of soft-core bosons at zero temperature.*
- 12:20 – 13:00: **Fabio Bagarello** – *Recent results on deformed commutation rules.*

Lunch

Second Session – Chair Prof. F. Bagarello

- 15:00 – 15:40: **Francesco Oliveri** – *(H, rho)-induced dynamics in operatorial models.*
- 15:40 – 16:20: **Alessandro Sergi** – *Quasi-Lie brackets in quantum mechanics.*
- 16:20 – 17:00: **Maurice de Gosson** – *The Wigner Function.*

Coffe break

Third Session – Chair Prof. A. Sergi

- 17:20 – 18:00: **Francesco Gargano** – *Bi-Coherent and Bi-squeezed states arising from pseudo-bosons.*
- 18:00 – 18:40: **Roberto Grimaudo** – *Pseudo-Hermitian Quantum Mechanics: time-dependent $SU(1,1)$ Hamiltonians.*

18:40 – 19:00: Closing Remarks