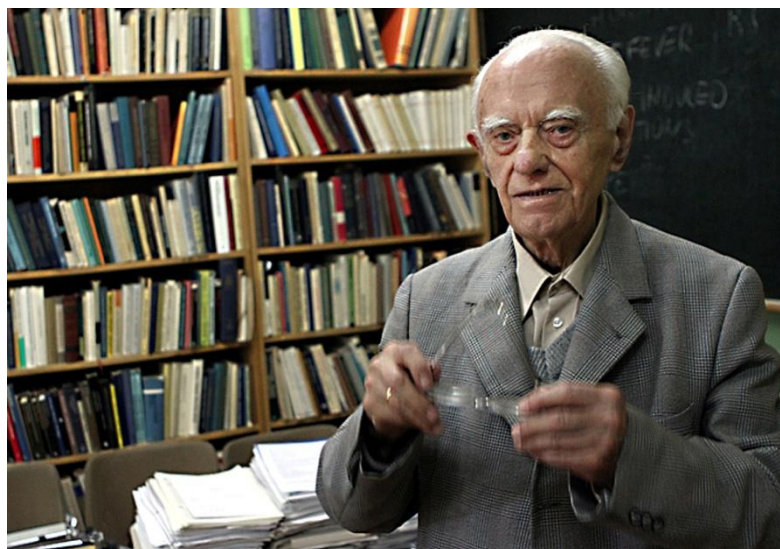


# R.S. Ingarden Memorial Session (*on line*)

Wednesday, November 25, 2020



Krajowe  
Centrum  
Informatyki  
Kwantowej



National Quantum Information Centre in Poland (KCIK) is organising a special on-line session to commemorate the Polish scientist **Roman Stanisław Ingarden** on the occasion of 100-th anniversary of his birth. Ingarden was a mathematical physicist, professor of Nicolaus Copernicus University in Toruń, founder of two journals: *Reports on Mathematical Physics* and *Open Systems and Information Dynamics* and one of the pioneers of the concept of quantum information. His 1976 paper had a short title: **QUANTUM INFORMATION THEORY** \*.

The event is organized under auspices of the Polish Physical Society.

Please click the link below to join the webinar:

<https://zoom.us/j/96574308638?pwd=bXdGd0lwRW94VnNjTOFFR0RpNnVLUT09>

Passcode: 0J9dAi Webinar ID: 965 7430 8638

## Programme

15.30 – Opening of the session by **Leszek Sirko**, President of the Polish Physical Society

15.35 – **Miłosz Michalski** (Nicolaus Copernicus University):

*Scientific legacy of Roman S. Ingarden*

16.15 – **Charles Bennett** (IBM Research), **2020 Ingarden Memorial Talk** entitled:

*Information is Quantum: what early 20'th century physics  
has taught us about the nature of communication and computation*

17.15 coffee break

17.30 – **Kamil Korzekwa** (Jagiellonian University)

*Quantum advantage in simulating stochastic processes*

18.05 – **Marek Rams** (Jagiellonian University)

*Entanglement and open-system tensor networks for quantum transport*

18.40 End of the session

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\* R. S. Ingarden, *Reports on Mathematical Physics* **10**, 43-72 (1976).

Organisers:

Karol Życzkowski (UJ/CFT/KCIK)

Paweł Horodecki (UG/PG/KCIK)

Łukasz Rudnicki (UG/CFT/KCIK)