

Comments for the Memorial Event for Professor Israel D. Vagner

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On behalf of our team at Center for Quantum Device Technology at Clarkson University, I would like to offer our sincere condolences to the family of Professor Israel Vagner. Israel visited our Center on several occasions, and he played a central role in organizing three recent conference events that took place locally. His scientific insight and contributions, as well as leadership and collaborations, have been invaluable to all of us.

I considered Israel a personal friend, and I greatly mourn his passing as well as celebrate his memory and legacy. Israel was a leading scientist with a broad range of interests. A search for "Vagner ID" at *scholar.google.com*, gives his papers in their order of recent web citations and popularity. Here are the leading 10, from the first web page (titles & authors only, the shorthands are those of Google):

Quantum Computation in Quantum-Hall Systems

V Privman, ID Vagner, G Kventsel

Elastic properties of single-walled carbon nanotubes in compression

... , BK Chaudhuri, T Maniv, ID Vagner, P Wyder, AY ...

Ideally Conducting Phases in Quasi Two-Dimensional Conductors

ID Vagner, T Maniv, E Ehrenfreund

Nuclear Spin-Lattice Relaxation: A Microscopic Local Probe for Systems Exhibiting the Quantum Hall ...

ID Vagner, T Maniv

Nuclear-spin qubit dephasing time in the integer quantum Hall effect regime

D Mozyrsky, V Privman, ID Vagner

de Haas–van Alphen effect in the superconducting state of a two-dimensional metal

T Maniv, AI Rom, ID Vagner, P Wyder

Magnetic critical fields of Y-Ba-Cu-O superconductors in the Lawrence-Doniach model with ...

LN Bulaevskii, ID Vagner

Is the Magnetic Field Necessary for the Aharonov-Bohm Effect in Mesoscopics?

ID Vagner, AS Rozhavsky, P Wyder, AY Zyuzin

Charged Skyrmions: A condensate of spin excitons in a two-dimensional electron gas

YA Bychkov, T Maniv, ID Vagner

Isotopically engineered silicon/silicon-germanium nanostructures as basic elements for a nuclear ...

I Shlimak, VI Safarov, ID Vagner

This interesting list shows the diversity of Israel's interests as well as the breadth of his collaborations spanning Israel, USA, Europe and the former Soviet Union. While being a proud and "traditionalist" Physicist, Israel was on the vanguard of the recent interdisciplinary and applied, engineering trends in condensed matter research. His popular papers cover such diverse topics as quantum computing, carbon nanotubes, two-dimensional nanostructures, quantum Hall effect, superconductivity, interesting quantum effects (skyrmions, Aharonov-Bohm effect), and many other topics.

Israel Vagner has left a rich and lasting scientific legacy, as well as touched the lives of many of his students and colleagues, most recently at Holon Institute of Technology. We will always remember him with fondness and appreciation, and we offer our best wishes to his family and colleagues.

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