

CV Ondrej Hudak.

doc. RNDr. Ondrej Hudak, Dr.Sc.,
Leading scientist 1a (SAS Bratislava 1985-1990)
Leading Scientist A (AS CR Praha 1990-1995)

<http://orcid.org/0000-0002-5922-4012>

European Physical Society - Individual Member, ID number is as follows: IM180303.

Google Scholar: <https://scholar.google.sk/citations?user=P6FcRMAAAAAJ&hl=sk&oi=ao>

Research and Teaching Experience:

ResearchGate: <https://www.researchgate.net/>

LinkedIn: <https://www.linkedin.com/uas/login>

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Lab A, Stierova 23, SK-040 23 Kosice, Slovak Republic

tel.: +421 55 6437507

mobil: +421910407038

e-mail: hudako@mail.pvt.sk

hudako@outlook.sk

Skype: hudakondrej

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Skills and expertise:

Materials

Aerodynamics

Quantum Mechanics

Applied Mathematics

Composites

Alloys

Theoretical Physics

Superconductivity

Special and General Relativity

Mathematical Physics

Crystal

Phase Transitions

Condensed Matter

Theoretical Condensed Matter Physics

Superconductors

High Temperature Superconductivity

Ferroelectric Materials

Vortex

Electron

Magnetism

Critical Phenomena

Dielectrics

Dielectric Properties

Josephson Junctions

Phase Diagrams

Percolation

Vorticity

Phase

Kondo effect

Magnetic Susceptibility

Sociophysics
Polycrystalline Materials
Topological Defects
Transition Temperature
Spin density
Ferroelastics
Technical Analysis (Capital Markets)

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Topics:

Aerodynamics
Applied Mathematics
Astronomy
Astrophysics
Capital Markets
Condensed Matter Physics
Cosmology
Financial Economics
Materials Science
Mathematical Economics
Mathematical Physics
Topological Methods

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Advisors and lecturers:

Current (= Recent, CSc. = PhD.)

- RNDr. V. Dvořák DrSc (Director of Institute of Physics AS CR Prague 1995-2007, advisor of president V. Havel)
- Prof. Ing. R. Zahradnik DrSc. (Heyrovski Institute AS CR) (student PhD. of Nobel prize laureate J. Heyrovsky)

Past

- RNDr. V. Frai CSc.- Diploma Work (Charles University, Mathematical-Physical Faculty,)
- Prof. J. Kvasnica, Dr.Sc. - Theory of Electromagnetic Field (PhD student of Nobel prize laureate L.D. Landau)
- Prof. I. Ulehla Dr.Sc. - Theory of Elementary Particles (Vicedirector of JINR Dubna, scientist - Rutherford Laboratory, scientist C.E.N. France)
- Prof. J. Bicak, DrSc. - General Theory of Relativity and Astrophysics (student of Prof. K. Kuchar, DrSc - Joseph Henry Laboratories, Princeton University, Princeton)
- Prof. J. Langer - Special Theory of Relativity
- RNDr. J. Klima, CSc. - Quantum Physics (also writer, brother of writer I. Klima)
- doc. RNDr. A. Havranek, CSc. - Mechanics (student PhD - OF Prof. RNDr Miroslav Brdička which was in 1948-49 in Laboratory of Prof. E. Schrödingera in Dublin)
- doc. RNDr. A. Hladik, CSc. - Theoretical mechanics (book: Brdička M., Hladík A.: Teoretická mechanika. Academia, Praha)
- doc. RNDr. M. Marvan, CSc. - Thermodynamics, and Nonlinear Thermodynamics

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Disciplines

- Economics
 - Mathematical Economics
 - Financial Economics

- Space Science
 - Astronomy
 - Astrophysics
- Physics
 - Cosmology
 - Mathematical Physics
 - Condensed Matter Physics

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Education

Oct 1996–Oct 1996

Pavol Jozef Šafárik University in Košice, Faculty of Natural Sciences
Theoretical Physics - Mathematical Physics · Top-level Scientists
Slovakia · Košice, Košický

Dec 1994–Dec 1994

The International Financial Services Institute in cooperation with the
Government of Canada
Commodity Futures and Options · Diploma - successfully completed 10-day
seminar, Montreal 12th December 1994
Slovakia · Bratislava

Sep 1993–Sep 1993

Institute of Physics AS CR, Prague
Theoretical Physics - Mathematical Physics · The highest
category of scientists (confirmed): A
Czech Republic · Prague, Praha

Sep 1991–Sep 1991

Institute of Physics CzAS, Prague
Theoretical Physics - Mathematical Physics · The highest
category of scientists: A
Czech Republic · Prague, Praha

May 1985–May 1985

Slovak Academy of Sciences (SAS), Bratislava
Theoretical Physics - Mathematical Physics · Scientific
qualification: Leading scientist - degree I. (SAS commission)
Slovakia · Bratislava, Bratislavský

Apr 1985–Apr 1985

Charles University
Theoretical Physics - Mathematical Physics · Doctor
of Science, DrSc. (Mathematical and Physical Sciences)
Czech Republic · Prague, Praha

Feb 1978–Feb 1978

Mathematical -Physical Faculty, Charles University, Prague
Theoretical Physics - state exam for
the degree RNDr. (Rerum Naturalis Doctorum) · RNDr. (Rerum Naturalis Doctorum)
Czech Republic · Prague, Praha

Sep 1971–Sep 1976

Mathematical-Physical Faculty, Charles University,
Department of Mathematical Physics
Theoretical Physics - Mathematical Physics · Diploma, Diploma Work: Vibrational
properties of polyvinylcarbazole, + State Exams
Czech Republic · Prague, Praha

(1st state exam 1973: Physics - General and Experimental)
(2nd state exam 1976: Theoretical Physics - Mathematical Physics)

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Awards & achievements:

Jan 2012 Award: Who is Who in the World
Jan 2010 Award: Dictionary of International Biography, IBC, United Kingdom
Jan 2009 Award: Dictionary of International Biography, IBC, United Kingdom
Jan 2006 Award: Outstanding Scientists of the 21th Century, IBC, United
Kingdom
Jan 2006 Award: Dictionary of International Biography, IBC, United Kingdom
Jan 2006 Award: Who is Who in the World
Jan 2005 Award: Outstanding Scientists of the 21th Century, IBC, United
Kingdom
Jan 2005 Award: The World Book of Knowledge, ABI, U.S.A., 2005 (500 biogr.)
Jan 2005 Award: Who is Who in the World
Jan 2004 Award: 2000 Outstanding Scientists of the 20th Century, 2nd ed.,
IBC, United Kingdom
Jan 2004 Award: Living Legends, ed. IBC, United Kingdom, 2004 (500 biogr.)
Jan 2004 Award: Dictionary of International Biography, IBC, United Kingdom
Jan 2004 Award: Who is Who in the World
Jan 2003 Award: Who is Who in the World
Jan 2002 Award: Who is Who in the World
Jan 2001 Award: Who is Who in the World
Jan 2001 Award: 2000 Outstanding Scholars of the 20th Century, IBC, United
Kingdom
Jan 2000 Award: Outstanding People of the 20th Century, 2nd ed. IBC, 2000,
United Kingdom
Jan 2000 Award: Dictionary of International Biography, IBC, United Kingdom
Jan 2000 Award: Who is Who in the World
Jan 1999 Award: Who is Who in the America - Science and Technology 5th ed.
Jan 1999 Award: Who is Who in the World
Jan 1998 Award: Who is Who in the World
Jan 1997 Award: Who is Who in the World

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