

Dr. Stoyan Sarg Sargoytchev (Born 1945, Citizenship: EU, Canada)



SCIENTIFIC CAREER PROFILE

EDUCATION: 1971 – **Electrical Engineer**, Technical University, Sofia

FIRST SPECIALIZATION: 1977 Institut für Elektronik, Berlin, East Germany

SCI. DEGREE: 1980 - 1984 – **Ph.D. in Physics** on thesis “Satellite and Rocket Spectrophotometric Apparatus and Methods for Airglow Measurements”, Bulgarian Academy of Sciences

POST DOCTORAL FELLOWSHIP: Visiting scientist at Cornell University, USA (1990-1991)

POSITIONS: 1971 - 1976 – Electrical Engineer, Hard drive units plant, Stara Zagora, Bulgaria
1976 - 1987 – Res. Associate, Central Lab for Space Research, Bulgarian Acad. of Sci.
1987 – 1990 – Senior Res. Associate, Institute of Applied Physics, Plovdiv, Bulgaria
1990 – 1991 – Visiting Scientist at Cornell University, USA, Arecibo Observatory, PR
1991 – 1993 - Instr. Technologist, University of Western Ontario, London, Ontario
1994 – 2002 – Project Scientist, CRESTech (former ISTS), Toronto, Ontario
2002 – 2009 – Project Scientist, CRESS/York University, Toronto, Ontario
2009 – 2013 – Teaching Labs, Computer Science & Engineering, York University

Research fields: Optical interferometry and laser methods for space and plasma research

INTERCOSMOS

Projects	1976 – 1977 Ground-based stations for satellite telemetry, program Intercosmos
(Affiliation	1976 – 1978 PI, rocket photometer experiment, Centaure-2, Bulgarian-Indian program
Bulgarian	1977 – 1978 Rocket photometer experiments, Vertical-6 & 7, Intercosmos
Academy	1978 – 1979 Photometer experiment “EMO” on board satellite “Intercosmos-19”
of Sciences)	1979 – 1980 Photometer experiment “Duga” for orbital station “Salute-6”, Intercosmos
	1980 – 1981 PI, UV spectrometer on board Bulgaria-1300 satellite, Intercosmos
	1982 – 1984 Three-channel spectrometer, Vega-2 mission for Haley Comet exploration, Intercosmos-ESA

USA project 1990 – 1991 Doppler wind Lidar, NSF project, Arecibo Observatory, Puerto Rico

Canadian 1991 – 1994 Rayleigh and Resonance Lidar, University of Western Ontario, Canada

CSA and University projects 1994 – 2002 Concept study and development of methods and instrumentation for satellite and ground based observations, CRESTech, CSA and York University projects.
2009 – 2013 Computer Science and Engineering Department, York University

Scientific publications: In English language.....60
In Russian language.....9
In Bulgarian language.....14

List of publications in government-funded space research

[List of publications related to BSM-SG theory](#)

Inventions: US Patents: 5,134,282; 5,220,160; 5,801,831; D439,198

Patent application in CIPO Canada “Method and Apparatus for Spacecraft Propulsion ”
Appl. # 2,638,667 / August 26, 2008.

Major theoretical work: Basic Structures of Matter – Supergravitation Unified Theory, (BSM-SG)
(2001) (Amicus # 27105955) and atlas of Atomic Nuclear Structures (Amicus # 27106037), selected for archiving in the National Library of Canada (2002).
Selected scientific papers in physical archives: <http://arxiv.org/pdf/physics/0205052> and http://vixra.org/author/stoyan_sarg
Selected scientific articles in online General Science Journal: <https://www.gsjournal.net/Science-Journals-Papers/Author/1881/Stoyan,%20Sargoytchev>

Scientific books:

Basic Structures of Matter – Supergravitation Unified Theory, Trafford Publishing, 2006, ISBN141208387-7
Beyond the Visible Universe, Helical Structures Press, 2004, ISBN 0973051531
Field Propulsion by Control of Gravity, theory and experiments, 2009, ISBN 9781448693085
Structural Physics of Nuclear Fusion with BSM-SG atomic Models, 2013, ISBN 9781482620030
Hidden Space Energy, The heterodyne resonance mechanism...2020, ISBN-13: 979-8604920800
The Universe speaks: A Message to Humanity, 2025, ISBN: 9798283907505

Scientific review of the first two books: Physics in Canada, July/August 2006, v. 62, No 4, 206-207.

Professional awards: Three medals from Bulgaria and two medals from Intercosmos organization.

Languages: Bulgarian, English, Russian

Memberships: American Geophysical Union (past), Society for Scientific Exploration (past), Natural Philosophy Alliance (past), World Institute for Scientific Exploration (Distinguished scientific advisor, present) <http://instituteforscientificexploration.org/ise-directors-advisors/>

Invited speaker and keynote speaker at International Scientific conferences related to the BSM-SG theory and nanotechnology

Physics of IIIrd Millennium, Huntsville, AL, USA, (2005)
Space, Time, Gravitation, St. Petersburg, Russia, (2006)
Integrity Research Institute, Washington, (2006)
Society for Scientific Exploration, East Lansing, MI, USA, (2007)
Society for Scientific Exploration, Boulder, CO, USA (2008)
Natural Philosophy Alliance, California State University (2010)
Nanotechnology conference Nanotek&Expo, Las Vegas, USA, (2013)
Nanotek International Conference, San Francisco, USA (2014)
Nanoworld International Conference, Boston, USA (2016)
Medical Nanotechnology, Osaka, Japan, (2017)
Materials Science and Engineering, Amsterdam, (2018)
Nanotechnology and Materials Science, Rome, Italy, (2019)
Webinar on Nanophotonics and Electronics (2020)
World Virtual Congress on Material Science and Engineering, May 3—June 1, 2024, Dubai
FLOGEN SIPS Rowland International Symposium, 20-24 Oct 2024, Greece
Smart Materials and Structures, PAGICLE, 30-31 March, 2026, Berlin, Germany

Wikipedia in Bulgarian: https://bg.wikipedia.org/wiki/Стоян_Съргойчев

Dr. Stoyan Sarg Sargoytchev is a Distinguished Scientific Advisor at the World Institute for Scientific Exploration, USA (since 2012) <https://instituteforscientificexploration.org/ise-directors-advisors/>

Dr. Stoyan Sargoytchev is Director of the **Space, Matter, and Energy Fields Institute** at the **Earth Civilization and Universe Society** <https://earthcivilizationanduniverse.net/>