



**Curriculum vitae
Europass**



Personal information

Name /Surname **George A. STANCIU**

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Nationality Romanian

Born 15.12.1948

Work experience

Period 09.1994 – present

Position Professor, Director of Center for Microscopy-Microanalysis and Information Processing,

Activities Teaching:
Undergraduate students: General Physics Course,
Optoelectronic Master Course:
Faculty Electronics, Telecommunications and Information Technology,
Research: Photonics, Optoelectronics

Name and address of the employer University Politehnica of Bucharest, 313 Splaiul Independentei str. , sector 6, Bucharest

Period 10.1990 – 04.1994

Position Assoc. Professor

Activities Teaching: Physics Course, Optoelectronic Master Course: Faculty Electronics, Telecommunications and Information Technology,
Research: Photonics, Optoelectronics

Name and address of the employer University Politehnica of Bucharest, 313 Splaiul Independentei str. , sector 6, Bucharest

Period 10.1981 – 04.1990

Position lecturer

Activities Teaching: Physics Course , Research: Photonics, Optoelectronics

Name and address of the employer University Politehnica of Bucharest, 313 Splaiul Independentei str. , sector 6, Bucharest

Period	10.1974 – 10.1981
Position	Assistant
Activities	Seminar and laboratory: Physics Course, Faculty Electronics, Telecommunications and Information Technology, Research: Photonics, Optoelectronics
Name and address of the employer	University Politehnica of Bucharest, 313 Splaiul Independentei str. , sector 6, Bucharest
Period	09.1971 – 10.1981
Position	Engineer
Activities	Research: Optoelectronic semiconductor devices, lasers and applications
Name and address of the employer	Research and Development for Electronic Components , 2 Erou Iancu Nicolae, sector str.
Education and training	
Period	10.1977 – 06.1981
Diploma	Doctor in Technical physics
Competences	Laser physics, Optics, Photonics, Optoelectronics
Name of institution	Politechnical Institute Bucharest
Period	09.1966 – 06.1971
Diploma	Physics Engineer
Competences	Semiconductor Physics, Optics, Semiconductor Devices, Lasers
Organizational/management skills	Leadership: - Leader of laboratory of laser scanning microscopy (1975-2001) - Director of Center for Microscopy-Microanalysis and Information Processing (2001-present) - Skills in the research grants proposal: 35 national grants gained by competition (project leader), 1 NATO grant, 6 international bilateral, 2 FP7 projects
Technical competences	Lasers designs, laser scanning microscopy (instrumentation and applications), scanning probe microscopy ((instrumentation and applications), Photonics, Optoelectronics
Establishment of research laboratories	Laboratory of laser scanning microscopy; 1977 Laboratory of Scanning probe microscopy: 2001 Center for Microscopy-Microanalysis and Information Processing: 2001
Research Projects	8 international bilateral grants (project coordinator) 2 FP 7 projects (team leader) 34- national projects (project coordinator) 24- national projects (partner team leader)
Publications	6 books Romanian publisher 3 book chapters international publisher articles indexed: 180 ISI: 111 BDI: 69

Invited Speaker	22 presentations at international conferences
School of Summer lecturer	Aristotle University of Thessaloniki: July 2003, July 2005
Editorial Board Member	- GIT Imaging and Microscopy - Frontiers: Journal of Biotechnology and Nanotechnology (ISI journal) - Scientific reports (Nature Groups) (ISI journal) - International Journal of Nanomaterials, Nanotechnology and Nanomedicine, Peertechz Journals
Ph. D. Supervisor	Optoelectronics
Patents	3
Awards	Senior Member of IEEE, Fellow Member IAAM
Membership	IEEE, OSA, EPS, SPIE
Visiting professor	<ul style="list-style-type: none"> • University of Sydney, Department of Optical Physics, February 1993, March 1999, March 2000; June 2004, December 2006 • University of Wisconsin, Department of Electrical Engineering, Centre of Photonics, May 1994, September 1999 • University of Amsterdam, Department of Biology, November 1996 • Yale University, School of Medicine, September 1999 • Swinburne University , Center of photonics, (Australia), March 2000, November 2001 • INSA- Lyon, Laboratoire de Physique de la Matiere, January 2001 • Aristotle University of Thessaloniki (Greece): 1994, 1995, 1996, 1999,2000, 2001,2004,2005, 2006,2007, 2009, 2010, 2011 • University of Balikesir (Turkey) – June 2001, June 2005, June 2010, May 2011 • University of Valencia (Spain) – October 2010; July 2013, June 2015, May 2014, September 2017 • Catalonia University from Barcelona, October 2010 • National University of Kaoshiung (Taiwan) September 2001, February 2003, • National Yang-Ming University, Taipei, Taiwan, January 2009, March 2011, September 2017 • University of Istanbul, September 2011 • University of Murcia, July 2013 • Department of Optics, University of Valencia. May 2014, September 2017 • Department of Physics, Peking University, May 2017 • Faculty of Applied Sciences – University of Malta, November 2018 • Peking University, November 2019
References	ISI Web: https://apps.webofknowledge.com/Search.do?product=WOS&SID=D4jCPaZ13KqnvtiW8fd&search_mode=GeneralSearch&prID=2d10a01e-08db-4568-9e0c-eb62dd4d3064

	<p>https://apps.webofknowledge.com/Search.do?product=WOS&SID=D4jCPaZ13KqnvtiW8fd&search_mode=GeneralSearch&prID=2d10a01e-08db-4568-9e0c-eb62dd4d3064</p> <p>Google Scholar : https://scholar.google.com/citations?hl=en&user=44Qx04IAAAAJ</p> <p>Scopus: https://www.scopus.com/authid/detail.uri?authorId=7003521222</p> <p>Publons : https://publons.com/dashboard/summary</p> <p>Brain map: https://www.brainmap.ro/george-a-stanciu</p> <p>Site: http://cmmip-upb.org</p>
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Coordinated national and international programmes/ projects (after 2000)

Program/Proiect	Funcția	Perioada
CNCSIS B/ Superresolution optical techniques: Research laboratory Project funded by World Bank, CNCSIS code: B-15	Director	2001-2004
CNFIS: Confocal laser scanning microscopy used for used for optical investigations CNFIS code 242	Director	2001-2004
Bilateral international project: The biological response and interactions of fibroblast cell lines to dental ceramics modified by bioactive glass, Proiect Romania- Grecia	Director	2002-2005
CERES/Experimental model for determining the concentration of solid particles in water by using confocal scanning laser microscopy	Director	2004-2006
CEEX/Advanced technologies regarding manufacturing possibilities of submicronic elements by lithographic methods : SUBLITO	Reponsabil	2006-2008
CEEX/Diagnostic and prognostic implications of the endomicroscopic aspect of the microvascularization of premalignum and malignum lesions of the upper digestive tract - diaprogendo	Reponsabil	2006-2008
CEEX/ Development of new ion sources with plasma for the efficient processing of metallic and nonmetallic surfaces :siprocemat	Reponsabil	2006-2008
CEEX/ Nanocrystal	Director	2005-2008
PNII/ Active-adaptive optic metrology research for nonosciences and nanotechnologies for adaptive digit alholography	Reponsabil	2007-2010
PNII/ Studies regarding interaction mechanisms between laser and	Reponsabil	2007-2010

radiofrequency radiation with superior aerodigestive tissues and the development of therapeutical protocols		
PNII/ Studies of modifications introduced in zirconia, spinel and sic by ionic implantation and thermal treatments by using iba and other advanced techniques	Reponsabil	2007-2010
PNII/ Impact of environmental factors to the formation dynamics and structural behavior of temporary teeth	Reponsabil	2007-2010
PNII-IDEI/Developments of new investigation techniques in scanning optical microscopy and their applications	Director	2008-2011
Bilateral scientific cooperation Project: LIDAR development and associated scattering studies for monitoring atmospheric constituents. Romania-India	Director	2007-2009
Bilateral scientific cooperation project: Romania-Turkey	Director	2010-2011
Bilateral scientific cooperation project: Development of the investigational methods for inorganic thin films by using high resolution methods. Romania-Slovakia	Director	2011-2012
CORDIS-FP7: Electrically Modified Biomaterials Surface: From Atoms to Applications, Grant agreement no.: CP-FP 212533-2	Coordonatorul echipei romane	2008-2011
Capacities / NATIONAL SUPPORT GRANT FOR FP7 CP-FP 212533-2	Coordonatorul echipei romane	2009-2011
FP7-NMP-2011-SME-5/ Real Time Label Free Nanoscopy Using Infra Red Absorbtion (LANIR)	Coordonatorul echipei romane	20012-2015
PNII/"Noi metode optice și protocoale de investigație micro și nano pentru eficientizarea diagnosticului timpuriu, monitorizării, prognosticului și terapiei în cazul cancerului de piele non-melanomic". (NANOLASCAN)	Director	2012-2015
Bilateral scientific cooperation project: A new strategy for maximizing fuel cell catalysis by controlling/tuning the defects and interfaces of PtPb nanoplates using ion irradiation technique (CMMIP-Peking University)	Director	20018-20019

Program/Project	Position	Period
Fp 6Tempus (University of Amsterdam)	Project coordinator	1996
NATO grant (Romania-Greece)	Project coordinator	1996-1998

Bilateral collaboration: The biological response and interactions of fibroblast cell lines to dental ceramics modified by bioactive glass, Romania- Greece project	Project coordinator	2002-2005
BILATERAL SCIENTIFIC COOPERATION PROJECT: LIDAR development and associated scattering studies for monitoring atmospheric constituents. ROMANIA-INDIA	Project coordinator	2007-2009
BILATERAL SCIENTIFIC COOPERATION PROJECT: ROMANIA-TURKEY	Project coordinator	2010-2011
BILATERAL SCIENTIFIC COOPERATION PROJECT: Development of the investigational methods for inorganic thin films by using high resolution methods. ROMANIA-SLOVAKIA	Project coordinator	2011-2012
CORDIS-FP7: Electrically Modified Biomaterials Surface: From Atoms to Applications, Grant agreement no.: CP-FP 212533-2	Romanian team coordinator	2008-2011
FP7-NMP-2011-SME-5/ Real Time Label Free Nanoscopy Using Infra Red Absorbtion (LANIR)	Romanian team coordinator	20012-2015
H2020: COST BM 1205/ European Network for Skin Cancer Detection using Laser Imaging	Member of management committee	2014-2017
H2020: COST CA /15214: An integrative action for multidisciplinary studies on cellular structural networks (EuroCellNet)	Member of management committee	2018-2021
Bilateral scientific cooperation project: A new strategy for maximizing fuel cell catalysis by controlling/tuning the defects and interfaces of PtPb nanoplates using ion irradiation technique (CMMIP-Peking University	Project coordinator	2018-2019