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Curriculum Vitae

INFORMAȚII PERSONALE

TRANCĂ Denis-Emanuil

Şos. Sălaj, nr. 133, bl. 55, ap. 6, sector 5, 051893 Bucureşti (România)

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denis.tranca@cmmip-upb.org

Sex M | Data Naşterii 07/01/1987 | Naţionalitate Română

DOMENII DE INTERES

Microscopie cu sondă de baleiaj; Microscopie cu baleiaj laser; Optică; Fotonică; Algoritmi de procesare imagini; Fizică aplicată

EXPERIENȚĂ PROFESIONALĂ

October 2023 – present

Conferențiar

Universitatea Națională de Știință și Tehnică POLITEHNICA București

Facultatea de Științe Aplicate, Departamentul de Fizică

October 2016 – present

Șef de lucrări

Universitatea POLITEHNICA din București (Romania)

Facultatea de Științe Aplicate, Departamentul de Fizică

Noiembrie 2011 – prezent

Inginer cercetare

Centrul de Microscopie-Microanaliză și Procesarea Informației (CMMPI) – Universitatea POLITEHNICA din București (România) – www.cmmip-upb.org

Domeniu Microscopie optică cu baleiaj (LASER și micro-sondă) de înaltă rezoluție

Aprilie– Mai 2015

Stagiu de cercetare

Laboratorul *3D Imaging and Display Laboratory, Departamentul de Optică, Universitatea din Valencia, Spania* – www.uv.es/imaging3

Aprilie 2010 – Iulie 2010

Stagiu de cercetare

Laboratorul *Matériaux Optiques, Photonique et Systèmes, Universitatea SUPÉLEC, Metz, Franța* – www.lmops.univ-lorraine.fr

STUDII

Perioada: **2006 – 2010**

Titlul obținut: ***Inginer** în **Electronică și Telecomunicații***

Specializarea: Opto-electronică

Numele și tipul instituției de învățământ: *Facultatea de Electronică, Telecomunicații și Tehnologia Informației*, Universitatea POLITEHNICA din București

Perioada	**2010 – 2012**
Titlul obținut	**Master** în ***Electronică și Telecomunicații***
Specializarea	Opto-electronică
Numele și tipul instituției de învățământ	*Facultatea de Electronică, Telecomunicații și Tehnologia Informației*, Universitatea POLITEHNICA din București

Perioada	**2012 – 2015**
Titlul obținut	**Doctor** în ***Inginerie electronică***
Titlul tezei	*Tehnici noi de microscopie optică de înaltă rezoluție*
Comisia de evaluare	Prof. Genaro Saavedra (Universitatea din Valencia); Dr. Joanna Bauer (Wroclaw University of Technology); Prof. Paul Schiopu (Universitatea Politehnica din București)
Numele și tipul instituției de învățământ	*Școala Doctorală a Facultății de Electronică, Telecomunicații și Tehnologia Informației*, Universitatea POLITEHNICA din București

ABILITĂȚI, PREMII, APTITUDINI

Abilități profesionale

- Abilități tehnice și practice în domeniile de microscopie optică cu baleiaj laser și cu sondă de baleiaj – abilități deprinse în cadrul laboratorului CMMIP, Universitstea Politehnica din București.
- Abilități tehnice și practice în domeniile de microscopie optică cu holografie digitală și microscopie optică cu iluminare structurată – abilități deprinse în cadrul laboratorului *3D Imaging and Laboratory, Departamentul de Optică, Universitatea din Valencia, Spania*.
- Lucrul cu laseri, fibre optice și sisteme video – abilități deprinse în cadrul laboratorului LMOPS Laboratory, Universitatea SUPELEC, Franța.

Premii și certificate

- *Best Paper Award*, International Semiconductor Conference, Sinaia, 2011.
- *Certificat de Merit pentru Performanțe în Fizică,* acordat de Facultatea de Fizică, Universitatea din Craiova, 2006.
- *Certificat de competențe profesionale*, pentru nivel mediu de programare, 2006.

Limba maternă Română

Limbi străine cunoscute

	ÎNȚELEGERE		VORBIRE		SCRIERE
	Ascultare	Scriere	Participare la conversație	Discurs oral	Exprimare scrisă
Limba Engleză	B2	B2	B2	B2	B2

PARTICIPARE ÎN PROIECTE DE CERCETARE NAȚIONALE ȘI INTERNAȚIONALE

PROIECT	DURATA	FUNCȚIA
BILATERAL SCIENTIFIC COOPERATION PROJECT: ROMANIA-SLOVAKIA	2011-2012	Participant
EU-CORDIS-FP7/ REAL TIME LABEL FREE NANOSCOPY USING INFRA RED ABSORBTION (LANIR)	2012-2015	Participant
PN-II-PT-PCCA New methods and investigations protocols for the early diagnosis, efficient screening, prognostic and therapy of non-melanoma skin cancers based on existing and novel micro & nano optical tools	2012-2016	Participant
POSDRU/159/1.5/S/137390/Doctoral research fellowship: New high-resolution optical microscopy techniques	2014-2015	Participant
PN-II-RU-TE Correlation and integration of microscopy and nanoscopy data by advanced computer vision methods (MICRONANO)	2015-2017	Participant
PN-III-P2-2.1-PED-2016-0450 Quantitative Nanoscopy for Biological Tissue Characterization (Q-NANOBIOTIC)	2017-2018	**Coordonator**
PN-III-P1-1.1-TE-2016-2147: Label-free quantitative microscopy based on second harmonic generation at nanoscale (NANO-SHG) [CO]	2018-2020	Participant
PN III (2013-2020) / PED 2019Method for fast and precise diagnostic of gastric cancers based on non-linear optical microscopy and Deep Learning	2020-2022	Participant
PN III (2013-2020) / TE 2019, Augmenting Micro- and Nanoscale Optical Imaging Techniques with Generative Adversarial Networks	2021-2022	Participant
PN III (2013-2020) / PED 2019, Integrated writing/imaging platform for nanoscale creation of surface optical waveguides and photonic crystals for optical computing	2020-2022	**Coordonator**



Denis E. Tranca

Associate Professor in Physics, POLITEHNICA Bucharest National University for Science and Technology

Optical Microscopy
Optics
Photonics
Physics

	Toate	Din 2019
Referințe bibliografice	535	387
h-index	12	11
i10-index	18	14

5 articole indisponibile

9 articole disponibile

Pe baza cerințelor privind finanțarea

TITLU	CITAT DE	ANUL
Generic arrays of surface-positioned and shallow-buried gold multi-shapes as reference samples to benchmark near-field microscopes. Part 1: Applications in s-SNOM depth imaging B Kusnetz, J Belhassen, DE Tranca, SG Stanciu, SR Anton, Z Zalevsky, ... Results in Physics 56, 107318	1	2024
Characterization of Nanoporous Copper Using Scanning Probe Techniques SR Anton, DE Tranca, SG Stanciu, R Hristu, CK Banica, E Vasile, Z Hu, ... Coatings 13 (11), 1908		2023
Applications of Phasor Data Analysis on Scattering Scanning Near-field Optical Microscopy Investigations DE Tranca, A Sobetkii, R Hristu, SG Stanciu, C Stoichita, GA Stanciu 2023 23rd International Conference on Transparent Optical Networks (ICTON), 1-4		2023
Mechanical and Optical Investigations of Cr Thin Films Deposited on Si Substrate DE Tranca, A Sobetkii, R Hristu, SR Anton, SG Stanciu, E Fiorentis, ... 2023 23rd International Conference on Transparent Optical Networks (ICTON), 1-4		2023
Surface Roughness and Optical Characterization of Nanoporous Silver Films Synthesized by One-Step Dealloying SR Anton, E Fu, DE Tranca, SG Stanciu, A Toma, CV Sammut, Z Hu, ... 2023 23rd International Conference on Transparent Optical Networks (ICTON), 1-4	1	2023
Collagen Organization in Second Harmonic Generation Images for the Assessment of Thyroid Nodule Capsular Invasion R Hristu, SG Stanciu, DE Tranca, LG Eftimie, A Enache, GA Stanciu 2023 23rd International Conference on Transparent Optical Networks (ICTON), 1-4		2023
Super-Resolved Non-linear Optical Microscopy: Architectures, Advantages and Perspectives SG Stanciu, R Hristu, GA Stanciu, DE Tranca, L Eftimie, A Dumitru, ... 2023 23rd International Conference on Transparent Optical Networks (ICTON), 1-1		2023
Nanoscale local modification of PMMA refractive index by tip-enhanced femtosecond pulsed laser irradiation DE Tranca, SG Stanciu, R Hristu, AM Ionescu, GA Stanciu	3	2023

TITLU	CITAT DE	ANUL
Applied Surface Science 623, 157014		
Toward augmenting tip-enhanced nanoscopy with optically resolved scanning probe tips J Belhassen, S Glass, E Teblum, GA Stanciu, DE Tranca, Z Zalevsky, ... Advanced Photonics Nexus 2 (2), 026002-026002	7	2023
Structural and mechanical properties of CrN thin films deposited on Si substrate by using magnetron techniques DE Tranca, A Sobetkii, R Hristu, SR Anton, E Vasile, SG Stanciu, ... Coatings 13 (2), 219	4	2023
Super-resolution re-scan second harmonic generation microscopy SG Stanciu, R Hristu, GA Stanciu, DE Tranca, L Eftimie, A Dumitru, ... Proceedings of the National Academy of Sciences 119 (47), e2214662119	11	2022
Local Refractive Index Change by Tip-Enhanced Femtosecond Laser for Surface Photonic Crystal Creation DE Tranca, R Hristu, SG Stanciu, GA Stanciu Nonlinear Photonics, NpTh2F. 4		2022
PSHG-TISS: A collection of polarization-resolved second harmonic generation microscopy images of fixed tissues R Hristu, SG Stanciu, A Dumitru, LG Eftimie, B Paun, DE Tranca, ... Scientific Data 9 (1), 376	12	2022
Scattering-type scanning near-field optical microscopy of polymer-coated gold nanoparticles SG Stanciu, DE Tranca, G Zampini, R Hristu, GA Stanciu, X Chen, M Liu, ... ACS omega 7 (13), 11353-11362	12	2022
Scattering-type scanning near-field optical microscopy GA Stanciu, D Tranca, SG Stanciu, R Hristu, C Stoichita Imaging Modalities for Biological and Preclinical Research: A Compendium …		2021
SSNOMBACTER: A collection of scattering-type scanning near-field optical microscopy and atomic force microscopy images of bacterial cells M Lucidi, DE Tranca, L Nichele, D Ünay, GA Stanciu, P Visca, AM Holban, ... GigaScience 9 (11), giaa129	14	2020
STED nanoscopy of KK114-stained pathogenic bacteria M Lucidi, R Hristu, L Nichele, GA Stanciu, DE Tranca, AM Holban, P Visca, ... Journal of Biophotonics 13 (9), e202000097	6	2020
Surface optical characterization at nanoscale using phasor representation of data acquired by scattering scanning near-field optical microscopy DE Tranca, SG Stanciu, R Hristu, L Latterini, GA Stanciu Applied Surface Science 509, 145347	4	2020
Characterization of nanomaterials by locally determining their complex permittivity with scattering-type scanning near-field optical microscopy SG Stanciu, DE Tranca, L Pastorino, S Boi, YM Song, YJ Yoo, S Ishii, ...	19	2020

TITLU	CITAT DE	ANUL
ACS Applied Nano Materials 3 (2), 1250-1262		
A novel approach for near-field optical microscopy based on tip-enhanced fluorescence via plasmon resonance energy transfer (TEFPLASNOM) SG Stanciu, DE Tranca, G Zampini, G Quaglia, GA Stanciu, R Hristu, ... Proc. ATTRACT-Final Conf. Igniting Deep Tech Revol, 1-6	1	2020
Higher-harmonic generation microscopy beyond the diffraction barrier based on re-scan strategies for optical data acquisition (HARMOPLUS) SG Stanciu, R Hristu, DE Tranca, GA Stanciu, H Manders, A Cherian, ... Proc. ATTRACT-Final Conf.—Igniting Deep Tech Revol., 1-5	2	2020
Quantitative imaging of advanced nanostructured materials with scattering-type scanning near field optical microscopy SG Stanciu, DE Tranca, L Pastorino, S Boi, YM Song, YJ Yoo, S Ishii, ... Fourth International Conference on Applications of Optics and Photonics …		2019
Growth mechanisms and the effects of deposition parameters on the structure and properties of high entropy film by magnetron sputtering Y Liang, P Wang, Y Wang, Y Dai, Z Hu, DE Tranca, R Hristu, SG Stanciu, ... Materials 12 (18), 3008	10	2019
Correlative Multimodal Approach Based on Optical Near-Field and Topographic Imaging to Characterize the Morphology of ESKAPE Pathogen Bacteria at Nanoscale G Cincotti, M Lucidi, SG Stanciu, DE Tranca, AM Holban, L Nichele, ... 2019 21st International Conference on Transparent Optical Networks (ICTON), 1-1		2019
Correlative imaging using a multimodal microscopy system for investigations at micro and nano scales GA Stanciu, DE Tranca, SG Stanciu, R Hristu, C Stoichita, JM Bueno 2019 21st International Conference on Transparent Optical Networks (ICTON), 1-4	1	2019
Advances in Fractal Analysis of the Biological Tissues Images Obtained by Using Laser Scanning Microscopy A Toma, R Hristu, T Capraru, SG Stanciu, D Tranca, GA Stanciu 2019 21st International Conference on Transparent Optical Networks (ICTON), 1-4		2019
Adaptive phase steps for diffractive phase elements using two-photon polymerization EI Scarlat, M Mihailescu, N Mihale, IA Paun, BS Calin, CR Luculescu, ... Journal of Optoelectronics and Advanced Materials 21 (March-April 2019), 153-162		2019
Label-based and label-free optical nanoscopy of pathogenic bacterial species M Lucidi, SG Stanciu, DE Tranca, R Hristu, AM Holban, L Nchele, ... Сборник трудов конференции «International Conference on Advanced Laser …		2019
Optimal unequal phase steps for laser direct writing in DPE manufacturing M Mihailescu, IA Paun, EI Scarlat, N Mihale, D Tranca, BS Calin, ... Holography, Diffractive Optics, and Applications VIII 10818, 353-359		2018

TITLU	CITAT DE	ANUL
Quantitative second harmonic generation microscopy for the structural characterization of capsular collagen in thyroid neoplasms R Hristu, LG Eftimie, SG Stanciu, DE Tranca, B Paun, M Sajin, GA Stanciu Biomedical optics express 9 (8), 3923-3936	38	2018
Imaging Biological Specimens and Advanced Materials with Correlative Far-field Near-field Microscopy SG Stanciu, DE Tranca, C Stoichita, R Hristu, GA Stanciu Conference on Lasers and Electro-Optics/Pacific Rim, Th3K. 4		2018
Nanoscale Investigations of Optical Fiber by Using Scattering Scanning Near-Field Optical Microscopy DE Tranca, C Stoichita, R Hristu, SG Stanciu, CV Sammut, GA Stanciu 2018 20th International Conference on Transparent Optical Networks (ICTON), 1-3	1	2018
A new technique in scanning near field optical microscopy used for investigations on the biological samples GA Stanciu, DE Tranca, R Hristu, SG Stanciu, AM Holban, A Toma, ... 2018 20th International Conference on Transparent Optical Networks (ICTON), 1-3	3	2018
Changes in the collagen structure of thyroid nodule capsules determined by polarization-resolved second harmonic generation microscopy R Hristu, B Paun, L Eftimie, SG Stanciu, DE Tranca, GA Stanciu 2018 20th International Conference on Transparent Optical Networks (ICTON), 1-4	3	2018
Multispectral detection of cutaneous lesions using spectroscopy and microscopy approaches E Borisova, T Genova-Hristova, P Troyanova, E Pavlova, I Terziev, ... Photonics in Dermatology and Plastic Surgery 2018 10467, 19-24	7	2018
PROGRESS IN BIOMEDICAL OPTICS AND IMAGING-PROCEEDINGS OF SPIE E Borisova, T Genova-Hristova, L Avramov, P Troyanova, E Pavlova, ...		2018
Nanoscale mapping of refractive index by using scattering-type scanning near-field optical microscopy DE Tranca, SG Stanciu, R Hristu, BM Witgen, GA Stanciu Nanomedicine: Nanotechnology, Biology and Medicine 14 (1), 47-50	34	2018
Correlative imaging of biological tissues with apertureless scanning near-field optical microscopy and confocal laser scanning microscopy SG Stanciu, DE Tranca, R Hristu, GA Stanciu Biomedical optics express 8 (12), 5374-5383	22	2017
Improved quantification of collagen anisotropy with polarization-resolved second harmonic generation microscopy R Hristu, SG Stanciu, DE Tranca, GA Stanciu Journal of Biophotonics 10 (9), 1171-1179	46	2017

TITLU	CITAT DE	ANUL
Feasibility study of TPEF, SHG & CFM for soft tissue neoplasia analysis T Genova, E Borisova, G Stanciu, D Tranca, ... Book of abstracts, 105		2017
Identification of stacking faults in silicon carbide by polarization-resolved second harmonic generation microscopy R Hristu, SG Stanciu, DE Tranca, EK Polychroniadis, GA Stanciu Scientific Reports 7 (1), 4870	13	2017
Nanoscale imaging by using label free microscopy techniques GA Stanciu, DE Tranca, SG Stanciu, C Stoichita, R Hristu 2017 19th International Conference on Transparent Optical Networks (ICTON), 1-4		2017
Fractal analysis correlation of the images from scanning laser microscopy techniques and atomic force microscopy A Toma, DE Tranca, CV Sammut, GA Stanciu 2017 19th International Conference on Transparent Optical Networks (ICTON), 1-4	1	2017
Correlative investigations of biological specimens using label free far-field and near-field microscopy techniques SG Stanciu, JM Bueno, DE Tranca, FJ Ávila, R Hristu, GA Stanciu The European Conference on Lasers and Electro-Optics, CL_5_4	1	2017
Nonlinear optical microscopy for investigation of gastrointestinal lesions T Genova, E Borisova, G Stanciu, D Tranca, I Terziev, N Penkov, ... 19th International Conference and School on Quantum Electronics: Laser …		2017
Combined far-field, near-field and topographic imaging of nano-engineered polyelectrolyte capsules SG Stanciu, DE Tranca, C Ruggiero, GA Stanciu, E Dellacasa, A Antipov, ... Materials Letters 183, 105-108	12	2016
Nonlinear optical effects used for investigations on biological samples at micro and nanoscale GA Stanciu, DE Tranca, R Hristu, SG Stanciu, C Stoichita, A Toma 2016 18th International Conference on Transparent Optical Networks (ICTON), 1-3	3	2016
Perspectives on combining Nonlinear Laser Scanning Microscopy and Bag-of-Features data classification strategies for automated disease diagnostics SG Stanciu, DE Tranca, GA Stanciu, R Hristu, JM Bueno Optical and Quantum Electronics 48, 1-13	5	2016
Embedding complementary imaging data in laser scanning microscopy micrographs by reversible watermarking IC Dragoi, SG Stanciu, R Hristu, HG Coanda, DE Tranca, M Popescu, ... Biomedical Optics Express 7 (4), 1127-1137	2	2016
Mapping electron-beam-injected trapped charge with scattering scanning near-field optical microscopy DE Tranca, E Sánchez-Ortiga, G Saavedra, M Martínez-Corral, SAM Tofail, ... Optics Letters 41 (5), 1046-1049	7	2016

TITLU	CITAT DE	ANUL
Amplitude and phase reconstruction issues in scattering scanning near-field optical microscopy D Tranca, SG Stanciu, R Hristu, C Stoichita, GA Stanciu Sci. Bull. Politeh. Univ. Bucharest Ser. A 78, 253-262	2	2016
Towards imaging skin cancer by aperturelessscanning near-field optical microscopy SG Stanciu, M Costache, DE Tranca, R Hristu, M Popescu, V Enache, ... University Politehnica of Bucharest Scientific Bulletin-Series A-Applied …	6	2016
Automatic moiré pattern removal in microscopic images GM Ionita, D Coltuc, SG Stanciu, DE Tranca 2015 19th International Conference on System Theory, Control and Computing …	8	2015
Contrast enhancement influences the detection of gradient based local invariant features and the matching of their descriptors SG Stanciu, DE Tranca, D Coltuc Journal of Visual Communication and Image Representation 32, 246-256	13	2015
On packing laser scanning microscopy images by reversible watermarking: A case study IC Dragoi, SG Stanciu, D Coltuc, DE Tranca, R Hristu, GA Stanciu 2015 23rd European Signal Processing Conference (EUSIPCO), 66-70	2	2015
Electron beam influence on the carbon contamination of electron irradiated hydroxyapatite thin films R Hristu, SG Stanciu, DE Tranca, GA Stanciu Applied Surface Science 346, 342-347	12	2015
Bags of features for classification of Laser Scanning Microscopy data SG Stanciu, R Hristu, DE Tranca, GA Stanciu 2015 17th International Conference on Transparent Optical Networks (ICTON), 1-4	2	2015
High-resolution quantitative determination of dielectric function by using scattering scanning near-field optical microscopy DE Tranca, SG Stanciu, R Hristu, C Stoichita, SAM Tofail, GA Stanciu Scientific reports 5 (1), 11876	44	2015
AI Gherghilescu, GA Stanciu, Corrosion resistance appraisal of TiN, TiCN and TiAlN coatings deposited by CAE-PVD method on WC–Co cutting tools exposed to artificial sea water AA Matei, I Pencea, M Branzei, DE Trancă, G Ţepeş, CE Sfăt, E Ciovica Appl. Surf. Sci 358, 572	6	2015
New Aproaches for High-Resolution Optical Microscopy DE Trancă, GA Stanciu		2015
Corrosion resistance appraisal of TiN, TiCN and TiAlN coatings deposited by CAE-PVD method on WC–Co cutting tools exposed to artificial sea water GAS Matei, A. A., I. Pencea, M. Branzei, D. E. Tranca, G. Ţepeş, C. E. Sfat ...	62	2015

TITLU	CITAT DE	ANUL
Applied Surface Science 358, 572-578		
Hydroxyapatite surface charge investigated by scanning probe microscopy R Hristu, SAM Tofail, SG Stanciu, DE Tranca, GA Stanciu 2014 16th International Conference on Transparent Optical Networks (ICTON), 1-4	4	2014
Investigations on organic fluorophore doped silica nanoparticles by apertureless scanning near-field optical microscopy SG Stanciu, DE Tranca, L Tarpani, GA Stanciu, R Hristu, L Latterini 2014 16th International Conference on Transparent Optical Networks (ICTON), 1-4	3	2014
Nonlinear optical imaging of defects in cubic silicon carbide epilayers R Hristu, SG Stanciu, DE Tranca, A Matei, GA Stanciu Scientific reports 4 (1), 5258	19	2014
Surface charge and carbon contamination on an electron-beam-irradiated hydroxyapatite thin film investigated by photoluminescence and phase imaging in atomic force microscopy R Hristu, DE Tranca, SG Stanciu, M Gregor, T Plecenik, M Truchly, T Roch, ... Microscopy and Microanalysis 20 (2), 586-595	8	2014
A study on the image contrast of pseudo-heterodyned scattering scanning near-field optical microscopy DE Tranca, C Stoichita, R Hristu, SG Stanciu, GA Stanciu Optics Express 22 (2), 1687-1696	23	2014
Matching DSIFT descriptors extracted from CSLM images SG Stanciu, D Coltuc, DE Tranca, GA Stanciu Engineering 5 (10), 199-202	2	2013
Investigations at nanoscale by using fluorescence in apertureless scanning near field microscopy GA Stanciu, DE Tranca, R Hristu, C Stoichita, SG Stanciu 2013 15th International Conference on Transparent Optical Networks (ICTON), 1-3	2	2013
Design and simulation of infrared optical logic gates based on Si photonic crystal waveguides for high density photonic integrated circuits DE Tranca, R Tomescu, P Schiopu Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies …	2	2012
Metallic samples investigated by using a scattering near field optical microscope GA Stanciu, C Stoichita, R Hristu, SG Stanciu, DE Tranca 2012 14th International Conference on Transparent Optical Networks (ICTON), 1-3	3	2012
2D infrared self-focusing in bulk photorefractive SBN D Wolfersberger, D Tranca Optical Materials Express 1 (7), 1178-1184	6	2011
Counter-propagating soliton interactions in photorefractive InP: Fe semiconductor DE Trancă, P Şchiopu		2011

TITLU	CITAT DE	ANUL
CAS 2011 Proceedings (2011 International Semiconductor Conference) 2, 447-450		
Infrared photo-induced waveguides in bulk photorefractive materials for reconfigurable optical communications D Wolfersberger, D Tranca 2011 13th International Conference on Transparent Optical Networks, 1-4		2011
Light self-confinement and control of pattern formation using photorefractive materials D Wolfersberger, N Marsal, C Dan, M Sciamanna, G Montemezzani, ... Worskshop on Nonlinear Photonics and Optical Telecommunication		2010
ICTON 2023 G Stanciu, M Costoiu, A Toma, SG Stanciu, C Cirtoaje, R Hristu, D Tranca, ...		
Published Papers SG Stanciu, D Coltuc, DE Tranca, GA Stanciu		
Combined Multimodal Imaging at Micro-and Nanoscale Using Complementary Contrast Mechanisms SG Stanciu, C Stoichita, R Hristu, DE Tranca, GA Stanciu		