

## Introduction of new members of ISAAC:

### Ascanelli, Alessia

Was born on 5/5/1978 in Italy. Obtained the Degree in Mathematics in 2001 and then the Ph.D in Mathematics in 2005. She is a researcher in Mathematical Analysis at the Department of Mathematics and Computer Science of the University of Ferrara since 2011 and associate professor since December 2018. The scientific research is focused on partial differential equations and deals mainly with questions of existence, uniqueness, regularity, behaviour at infinity, propagation of singularities of the solution to the Cauchy problem for evolution equations, of stochastic type, too, with time-space depending coefficients and possible low regularity. Since 2007 she taught several courses of Mathematical Analysis and of Calculus of Probabilities at the University of Ferrara.

### Bellazini, Jacopo

Jacopo Bellazzini was born in Pisa, Italy, on April 28, 1976. After earning an undergraduate degree in Mathematics at Pisa University in 1999 he completed his PhD in 2004 in Aerospace Engineering at Pisa University. Since 2011 he is assistant professor at University of Sassari, Italy. Major interests are dynamics of nonlinear partial differential equations and functional inequalities.

### de Almeida, Marcelo Fernandes

Marcelo Fernandes de Almeida holds a Bachelor's degree in Mathematics from State University of Feira de Santana-Brazil, PhD in Mathematics from Federal University of Pernambuco (2011) and a Pos-doctorate at State University of Campinas (2011-2013) under supervision of Lucas Catão de Freitas Ferreira.

Now he is professor of Federal University of Sergipe. Has experience in Mathematics, focusing on fluid dynamics and partial differential equations in singular and low regularity functions spaces.

### dos Santos Filho Jose Ruidival Soares

Full name: José Ruidival Soares dos Santos Filho

Born: April 7, 1950 at Recife-PE-Brazil

Studies: Undergraduate (Catholic University of Pernambuco 1969-1972), Master (Federal University of Pernambuco 1974-1974) and PhD (MIT 1974-1979)

Work: Professor (Federal University of Pernambuco 1979-1998), (Federal University of Sao Carlos 1998-)

AMS Mathscinet: dos Santos Filho, José Ruidival (Author ID:154420)

### Gomes, Narciso

Narciso Gomes has a PhD in Mathematics and Applications from the Universities of Aveiro and Minho-Portugal since September 2015. The title of his PhD thesis is Compressive Sensing in Clifford Analysis. He did his Master Degree in Applied Mathematics, Business and Technological branch and Degree in Applied Mathematics and Computing from the University of Aveiro-Portugal. He is now professor of Complex Analysis and Mathematical (Real) Analysis at University of



Cabo Verde. He also has been the coordinator of the Mathematics and Statistics disciplinary group since February 2017 at University of Cabo Verde.

### **Hadzi-Velkova Saneva, Katerina**

Katerina Hadzi-Velkova Saneva obtained her Bachelor, Master, and doctoral degrees in Mathematics from the Ss. Cyril and Methodius University in Skopje. Since December 2000, she has been affiliated with the Faculty of Electrical Engineering and Information Technologies at the Ss. Cyril and Methodius University in Skopje, where she currently holds the position of associate professor in Mathematics. Prof. Hadzi-Velkova Saneva has so far coauthored 25 papers in international mathematical journals and conferences. Her research interests include: functional analysis, theory of distributions, integral transforms, asymptotic analysis, and wavelet analysis.

### **Hytönen, Tuomas**

Tuomas Hytönen (born 1981) is Professor of Mathematics at the University of Helsinki, Finland. An author of ca. 80 research papers and two monographs, he is best known for his solution of the so-called  $A_2$  conjecture on sharp weighted inequalities for general singular integral operators. He received an ERC Starting Grant from the European Research Council in 2011, and gave an invited talk at the International Congress of Mathematicians in 2014.

### **Jäh, Christian**

Christian Jäh is currently a postdoc at the Georg-August-University Göttingen in Germany and has previously been a postdoc at Loughborough University in the United Kingdom after obtaining his PhD from TU Bergakademie Freiberg under supervision of Prof. Michael Reissig (Freiberg) and Prof. Daniele Del Santo (Trieste). Currently, his main research interest is in hyperbolic equations/systems with variable multiplicities and low-regular coefficients. Further details and contact information can be found at <https://jaeh.cc>.

### **Kainane Mezadek, Abdelatif**

Baccalaureat (1993), at Abderahman Karzazi school, Algeria. Bachelor (1997) and Magister (2002), at High school teachers (E.N.S) Alger, Algeria. Currently PhD student at university of Djilali Lyebe of Sidi belabbes, under the supervision of Prof. Abbes Benaissa. Twice research visiting at Technical University Bergakademie Freiberg supported by the DAAD, Erasmus+ Project between the Hassiba Benbouali University of Chlef (Algeria) and TU Bergakademie Freiberg, with collaborations with Prof. Michael Reissig.

### **Kainane Mezadek, Mohamed**

Currently doctor in Mathematics, Hassiba Benbouali University of Chlef; Algeria. Current position: Associate Professor, Department of Mathematics. Received his PhD degree in PDEs at TU Bergakademie Freiberg in 2014. He defended his HDR (Habilitation) at Sidi-belabes University 2016. Research interests in partial differential equations: existence and uniqueness of solutions.



### **Kalmes, Thomas**

He obtained his Diploma in Mathematics in 2001 from Trier University, Germany. In 2002 he was visiting professor at Universidad Mayor de San Andrés, La Paz, Bolivia. He obtained his doctoral degree from Trier University in 2006 with a thesis on dynamics of operator semigroups in Banach spaces. He held postdoc positions in the functional analysis group of Dietmar Vogt at Bergische Universität Wuppertal, Germany, from 2008 to 2009 and in the analysis group of Leonhard Frerick at Trier University from 2009 to 2012. In 2012 he obtained his habilitation from Trier University with a thesis on “Surjectivity of augmented partial differential operators with constant coefficients and a conjecture of Trèves”. From 2013 to 2014 he was deputy professor at Clausthal University of Technology, Germany. Since 2014 he has a permanent position at Chemnitz University of Technology, Germany, where he was appointed Extracurricular Professor in 2018.

His research interests include functional analysis, operator theory, and partial differential equations.

### **Luna-Elizzaras, Maria**

She got her PhD degree in 2006 at Instituto Politecnico Nacional, Mexico. She worked for 18 years at Instituto Politecnico Nacional, Mexico and, since 2016, she is a Senior Lecturer at Holon Institute of Technology, Holon, Israel. She has published more than 40 research papers and two books.

Her area of research is hypercomplex analysis. Her major contributions have been in the area of quaternionic functional analysis and in bicomplex analysis.

### **Mashreghi, Javad**

Javad Mashreghi is a member of the analysis group at Laval University, Quebec, Canada, since 2001. He obtained his PhD from McGill University under the joint supervision of Paul Koosis and Victor Havin in 2001. Victor and Javad were awarded the G. de B. Robinson prize of the Canadian Mathematical Society for their joint work on the extension of Beurling-Malliavin multiplier theorem on model spaces in 2004. He is the author of more than seventy research articles, ten books, and the editor of eight conference proceedings. His editorial duties include Associate Editor of the Canadian Journal of Mathematics and the Canadian Mathematical Bulletin, and Editor-in-Chief of Concrete Operators. He is the Vice-President of the Canadian Mathematical Society.

### **Moonens, Laurent**

Born 1985. Area of research: Real Analysis and Geometric Measure Theory

2001-2009: Undergraduate and Graduate studies in Mathematics at the Université de Louvain (Louvain-la-Neuve, Belgium; Advisor: Thierry De Pauw)

2009-2010: Post-Doc at the University of Illinois at Urbana-Champaign

2010-2012: FNRS Post-Doc at the Université de Louvain (Louvain-la-Neuve, Belgium)

Since 2012. Maître de Conférences (tenured position) at the Université Paris-Sud (Orsay, France)



## Musolino, Paolo

Paolo Musolino is an Assistant Professor in Mathematical Analysis at the University of Padova, where he has obtained the PhD in 2012, under the supervision of Prof. Massimo Lanza de Cristoforis. Before moving back to Padova in 2018, he has held several fellowships to carry out his research in Germany (Fraunhofer ITWM), France (École normale supérieure of Paris and Université de Rennes 1), and UK (Aberystwyth University and Brunel University London). His research interests include PDEs, integral equations and operators, singular perturbation problems, and homogenization theory, and he is author of about 40 papers on journals, books and proceedings and co-editors of two volumes. He is currently co-supervising the work of two PhD students and he has co-supervised two Master thesis.

## Prangoski, Bojan

Bojan Prangoski made his graduate studies at the Ss. Cyril and Methodius University in Skopje, Macedonia. He obtained his PhD in Mathematics from the University in Novi Sad, Serbia, in 2013. He worked at the Faculty of Mechanical Engineering – Skopje as teaching assistant from 2008 until 2014. In 2014 he was appointed assistant professor at the same faculty. He has been co-advisor of one doctoral thesis at the University of Novi Sad. He has scientific collaboration with researchers from the universities in Novi Sad, Turin and Ghent.

## Sawano, Yoshihiro

Born in 1979 in Shizuoka. He got PhD degree under supervision of Professor Hitoshi Arai at the University of Tokyo.

He majors harmonic analysis. Including 150 papers, he wrote two monographs: Theory of reproducing kernels (jointly with Saburo Saitoh) and Theory of Besov spaces. He has 3 PhD fellows.

## Scandone, Raffaele

He got his PhD in Mathematics at SISSA (Trieste), and he is currently a postdoc researcher at GSSI (L'Aquila). His scientific interests are in the area of Dispersive PDE's, Functional Analysis, and Mathematical Physics. His research is mainly focused on the study of linear and non-linear Schrödinger-type equations. Among the others, he works on singular (point-like) perturbations of the Laplacian. He is also starting to study a class of equations arising from Quantum Hydrodynamics.

## Shakarov, Boris

Boris Shakarov's Curriculum Vitae:

- 1-november - until now: First year of the Phd program at Gran Sasso Institute, L'Aquila, Italy.
- December 2016-September 2018: Master Degree in Mathematics at the University of Pisa, Pisa, Italy.
- September 2013- December 2016: Bachelor Degree in Mathematics at the University of Pisa, Pisa, Italy.



### **Shapiro, Michael**

He graduated from Odessa State University, Odessa, Ukraine, in 1970, where he earned his PhD in 1974. He was affiliated with that University till 1992, then with Instituto Politecnico Nacional, México, till 2016, and now with Holon Institute of Technology, Israel. He works in different areas of hypercomplex analysis (including quaternionic and Clifford analysis, but not only) and its applications to mathematical physics, operator theory, functional analysis, integral equations, several complex variables. He is the author and co-author of about 135 works, including 4 books. He has supervised 8 PhD students.

### **Spreitzer, Christian**

Christian Spreitzer was educated as a physicist at the University of Vienna. After receiving his Master's degree in theoretical physics, he wrote his doctoral thesis under the supervision of Günther Hörmann at the Institute of Mathematics of the University of Vienna. He is interested in partial differential equations of low regularity, differential algebras of generalized functions, and applications in mathematical physics. Christian Spreitzer teaches mathematics and physics at the University College of Teacher Education in Lower Austria and at the University of Vienna.

### **Stoeva, Diana**

Diana Stoeva received a Master Degree in Mathematics at Sofia University "St. Kliment Ohridski", defended her PhD thesis "Frames and Bases in Banach spaces" in 2005 at the Higher Attestation Committee in Bulgaria, and got habilitation in 2012 at the University of Architecture, Civil Engineering and Geodesy in Sofia. In 2009, Diana Stoeva joined the research group "Mathematics and Signal Processing in Acoustics" at the Acoustics Research Institute of the Austrian Academy of Sciences, where she currently works as a Research Associate. Her main research interests are in Frame Theory (in Hilbert, Banach and Fréchet spaces), Gabor analysis, Operator Theory, Multipliers.

### **Takahiro, Noi**

Affiliation: Tokyo Metropolitan University

Position: Guest researcher

Education: Doctor of Science, 2012, Chuo University (supervisor: Prof. Yoshikazu Kobayashi)

Research interests: functional analysis, function spaces, harmonic analysis.

### **Takahisa, Inui**

Assistant Professor, Department of Mathematics, Graduate School of Science, Osaka University, Japan

Doctor of Science, March 2017, Kyoto University

Nonlinear Dispersive and Wave equations

### **Takeda, Hiroshi**

March, 2010 PhD, Tohoku University

April, 2010-December, 2010 Research assistant,

January, 2011-March, 2011 Assistant Professor, Tohoku University



April, 2011-March, 2014 Assistant Professor, Fukuoka Institute of Technology  
 April, 2014-present Associate Professor, Fukuoka Institute of Technology

### **Tarulli, Mirko**

Mirko Tarulli, born in 02.03.1977, is currently Assistant Professor at the Faculty of Applied Mathematics and Informatics, Technical University of Sofia, at IMI--BAS and Visiting Professor at the University of Pisa.

His scientific career is characterized by working in several universities, like University of Vermont, Imperial College, London and mainly in the Department of Mathematics of University Pisa, Italy. His research is devoted to the analysis of the long time behaviour for solutions to Nonlinear Evolution Equations and all aspects of Harmonic Analysis.

### **Venkov, George**

#### Education

- Postdoc position - Consiglio Nazionale delle Ricerche (CNR), Pisa, Italy, 03 – 10.2005
- PhD in Mathematical Modelling, Technical University Sofia, 2003.
- MSc degree in Mathematics, Faculty of Mathematics and Informatics, Sofia University, 1995.

#### Current position

- Professor in Differential Equations at the Department of Mathematical Analysis and Differential Equations, Faculty of Applied Mathematics and Informatics, Technical University – Sofia.

#### Previous positions

- 2008-2017 Associate professor in Mathematical Modelling at the Faculty of Applied Mathematics and Informatics, Technical University Sofia.
- 1995-2007 Assistant professor in Mathematical Modelling at the Faculty of Applied Mathematics and Informatics, Technical University Sofia.

#### Administrative and editorial positions

- Since 2013 Dean of the Faculty of Applied Mathematics and Informatics, Technical University Sofia.
- Since 2013 Programme Committee Chair of International Conference “Applications of Mathematics in Engineering and Economics” (AMEE), Sozopol, Bulgaria.
- Since 2010 Editor of Conference proceeding “Applications of Mathematics in Engineering and Economics” (AMEE), published by American Institute of Physics (AIP).

#### Research interests

Nonlinear equations of quantum mechanics, Existence and uniqueness of ground state solutions to some variational problems, Stability of solitary waves, Scattering theory.



---

**Waurick, Marcus**

- 07/2017 – Chancellor's Fellow at University of Strathclyde, Glasgow, Scotland
- 06/2016 Habilitation on qualitative aspects in non-autonomous PDEs
- 10/2015 – 06/2017 PostDoc at University of Bath, England, UK
- 10/2011 – 09/2015 PostDoc at the Institute of Analysis, TU Dresden, Germany
- 04/2011 PhD in Homogenisation of Time-dependent PDEs
- 10/2009 – 09/2011 Research and teaching associate Faculty of Civil Engineering, TU Dresden
- 10/2004 – 09/2009 Studies of Mathematics at TU Dresden

