

Introduction of new members of ISAAC:

Broucke, Frederik

Born on 10/08/1996 in Antwerp, Belgium.

2013-2016: Bachelor of Science in Mathematics at Ghent University, Belgium.

2016-2018: Master of Science in Mathematics at Ghent University, Belgium. Thesis on exponential sums under supervision of Prof. J. Vindas.

2018-now: PhD program at Ghent University, Belgium under supervision of Prof. J. Vindas.

Coriasco, Sandro

Born in Turin (Italy) on 8/1/1967. Degree in Mathematics in 1992, parallel to working in a Computer Science private company and achieving a permanent position as High School teacher. PhD in Mathematics in 1998. Researcher at Dipartimento di Matematica "G. Peano", Università degli Studi di Torino, since January 2000, Associate Professor there since June 2018. The scientific research activities include partial differential equations (existence, uniqueness, behavior at infinity, and propagation of singularities for the solutions), spectral asymptotics, and Fourier integral operators, on \mathbb{R}^n and on non-compact and singular manifolds. Since the year 2000 he taught several courses of mathematical analysis at the Università degli Studi di Torino.

Czapla, Roman

(2018) - PhD, Silesian University of Technology, Gliwice, Computer Science,

(2010) - MSc, Pedagogical University of Cracow, Mathematics.

Areas of interests:

- design of algorithms generating random distributions of non - overlapping geometric objects,
- analysis and processing of biological images; applications of basic sums to description of biological data,
- application of symbolic and numerical calculations in scientific problems.

Drygas, Piotr

(2006) - PhD, Pedagogical University of Krakow, Mathematics,

(1995) - MSc, Pedagogical University of Rzeszow, Mathematic.

Areas of interests:

- advanced mathematical model of fibrous composites,
- application of analytical symbolic computation applied to determine the effective properties of composites,

- statistical analysis,
- mathematical modeling of porous media.

Member:

Polish Mathematical Society,
Polish Society of Composite Materials,
International Society for Analysis its Applications and Computation, ISAAC,
Polish Statistical Association.

Faustino, Nelson

Portuguese born mathematician, obtained his Ph.D. degree at University of Aveiro, Portugal, in 2009 under the supervision of Prof. Dr. Uwe Kähler. He spent 6 years as Post-Doc researcher at University of Coimbra, Portugal (2010-2013), and State University of Campinas, Brazil (2013-2016). Since March 2016 he is a Visiting Professor at Federal University of ABC, Brazil.

His research interests include very distinct research topics such as harmonic analysis, hypercomplex analysis, numerical analysis and mathematical physics. On September 2017 he received from the European Society of Computational Methods in Sciences and Engineering (ESCMSE) an 'Honorary Fellowship' for his outstanding contributions in the fields of Applied and Computational Mathematics.

Feichtinger, Hans Georg

He is a harmonic analyst, with interests in all kinds of Fourier Analysis and Time-Frequency Analysis, in particular in what is nowadays called Gabor Analysis (non-orthogonal expansion of functions or distributions as double-series of time-frequency shifted atoms). The center of his activities has been always Vienna (AUSTRIA), with various guest positions, especially in the last years (ETH Zuerich, DTU Copenhagen, TU Muenich, Charles Univ. Prague).

He is the founder of NuHAG (the Numerical Harmonic Analysis Group, Univ. Vienna, www.nuhag.eu) and Editor in Chief of the Journal of Fourier Analysis and Applications. He has realized a large number of pure or applied projects, many of them funded by the European Union, in particular the Marie Curie Excellence Grant EUCETIFA (European Center for Time-Frequency Analysis). Wiener amalgam spaces, modulation spaces, and Banach Gelfand Triples, based on the Segal Algebra $S_0(\mathbb{R}^d)$, nowadays called Feichtinger's algebra are among his mathematical contributions.

Girardi, Giovanni

He is a Ph.D. student in Mathematics at the University of Bari, Italy, under the supervision of Dr. Marcello D'Abbicco. He took BS in 2014 and MS in 2017, both in Mathematics at the University of Bari. Since 2014 to 2019 he spent a total of 9 months at the TU Bergakademie of Freiberg under the supervision of Prof. Michael Reissig. His research interests concern long time decay estimates for dissipative evolution equations, with applications to some non-linear problems.

Hadj Kaddour, Tayeb

1. In 1998: Baccalaureate (Exact sciences).
2. In 2002: Licence of mathematics, speciality: Analysis.
3. In 2006: Magister of mathematics, speciality: Mathematics, option : Spectral analysis and micro-localization.
4. In 2018: Doctor at science, speciality: Mathematics, option: PDE.

Research interests:

Well posedness and blow-up for standard and non-standard evolution PDE.

Pseudo-differential operators and micro-localization of solutions of PDE.

Hayrapetyan, Ruben

Affiliation: Professor of Mathematics, Mathematics Department, Kettering University, Flint, Michigan, USA.

Education: Ph.D. in Mathematics, Institute of Mathematics, Armenian Academy of Sciences, Yerevan, Armenia,

Thesis: Mixed problems for hyperbolic equations and systems.

Ph.D. in Applied Mathematics, Department of Mathematics, Kansas State University, Manhattan, Kansas,

Thesis: Nonlinear problems and applications.

Research interests: Partial differential equations, inverse problems of quantum scattering theory, geophysics, and the theory of ground penetrating radars, numerical methods for solving nonlinear and ill-posed problems, integral geometry, integral transforms, control theory.

Ivanenko, Yevhen

Received his B.Sc. degree in radio electronic devices and M.Sc. degree in electronic instruments and devices from Odessa National Polytechnic University, Ukraine, in 2011 and 2013, respectively, as well as M.Sc. degree in electrical engineering and Lic. degree in physics from Linnaeus University, Sweden, in 2015 and 2018,

respectively. Currently, he is working towards his Ph.D. degree in Waves, Signals and Systems group at the Department of Physics and Electrical Engineering, Linnaeus University, and is supported by the Swedish Foundation for Strategic Research (SSF), grant no. AM13-0011 under the program Applied Mathematics and the project Complex Analysis and Convex Optimization for EM Design. His research interests include electromagnetic properties of materials, composite materials, as well as optimal performance bounds and realizations for passive and non-passive electromagnetic systems based on integral representation theorems.

Johnson, Jon

2011, June 17: dr.scient. (DSc) in Mathematics at Aalborg University.

Dissertation: On the Theory of Type 1,1-Operators.

1999--now: Lektor (Associate Prof.) at Aalborg University.

1998-1999: Adjunkt (Assistant Prof.) at Aalborg University.

1994-1997: Post-doc in Jena (Germany), Copenhagen and Orsay (Paris XI).

1993, Oct. 13: PhD in mathematics at University of Copenhagen.

Thesis: The stationary Navier-Stokes equation in L_p -related spaces.

Kato, Tomoya

He is currently an assistant professor at Gunma University.

He was a postdoc researcher at Osaka University for two years and at Nagoya University for one year, after he got his Ph.D degree at Nagoya University in March 2016.

His research interests are in function spaces, harmonic analysis, and partial differential equations.

Kycia, Radoslaw

Phd Student at Masaryk University, Brno, Czech Republic,
Researcher at Baltic Institute of Mathematics.

Research interests: mathematical physics, geometry, applied mathematics, numerical modelling.

Kyrtka, Pawel

- (2003) - PhD, AGH University of Science and Technology, Metallurgy,
- (1999) - MSc Eng, AGH University of Science and Technology, Materials Engineering.

Areas of interest:

design of composites based on advanced mathematical modelling,
application of analytical symbolic computation for optimization of composites manufacturing processes,

the use of mathematical modelling based on analytical RVE theory, for parametric evaluation of structure and effective properties of composite materials.

Member:

Polish Society of Composite Materials, board member ,
Metallurgical Foundry Commission Polish Academy of Sciences, board member,
Polish Materials Science Society,
The Federation of European Materials Societies (FEMS).

Lastra, Alberto

He is associate professor at Alcalá University, Spain. He obtained his Ph.D at Valladolid University (Spain) and worked in University of Lille with a postdoctoral grant during one year. He is interested in partial differential equations and q-difference equations in the complex domain, and results related to summability of formal solutions, and other related theories.

Lu, Xiaojun

He was born in Taiyuan, China, on November 19, 1982.
After earning a Bachelor's degree in Pure and Applied Mathematics at Zhejiang University in 2005, he completed his PhD in 2010 majored in PDE at Zhejiang University. As a visiting scholar, he studied at TU Bergakademie Freiberg under the supervision of Professor Michael Reissig. And he also worked at BCAM (Spain) as a post-doctoral researcher. Since 2012, he is working as a lecturer professor at Southeast University, China. Major interests are harmonic analysis, stochastic hyperbolic PDEs, optimization and control.

Morando, Alessandro

Personal data:

He was born in Torino (Italy) in 1973, citizenship: Italian.

Studies: degree in Mathematics at University of Torino in 1996, Ph.D in Mathematics at the University of Genova in 2003.

Current Position: Researcher in Mathematical Analysis at University of Brescia (Italy).

Current research interests: Partial Differential Equations, Fourier Analysis, Pseudodifferential Operators, Hyperbolic Systems of Conservation Laws, Fluid dynamics.

Nawalaniec, Wojciech

(2015) – Ph.D, Silesian University of Technology, Gliwice, Computer Science,

(2009) – MSc. , Pedagogical University of Cracow, Mathematics.

Areas of interest:

simulation, classifying and analysis of random structures,
application of symbolic-numerical calculations and machine learning in computational materials science,
developing algorithms and software modules to provide resolution in scientific problems.

Neyt, Lenny

PhD student at the Department of Mathematics: Analysis, Logic and Discrete Mathematics of the University of Ghent under the supervision of Prof. Andreas Weiermann and Prof. Jasson Vindas. His research is mainly situated in the theory of generalized functions and asymptotic analysis, where the main goal has been to obtain structural theorems for ultradistributions with certain asymptotic behaviour.

Picard, Rainer

Dr. rer. nat. (April 1973 at the Universität Bonn), Habilitation July 1982 at the Universität Bonn,
Visiting Associate Professor: December 1986 - August 1988 at the University of Wisconsin - Milwaukee, Wisconsin, USA.
Full Professor:
August 1988 - August 1993 at the University of Wisconsin – Milwaukee,
Professor for Analysis:
August 1993-September 2011 at the Technische Universität Dresden, Germany
Visiting Professor:
2004-2018 at the University of Strathclyde, Glasgow, Scotland, U.K.,
Senior Professor:
October 2011-to date.

Restrepo Tangarife, Joel Esteban

Date and place of birth: August 31, 1989, Colombia.
Ph.D. in Mathematics, February 2015 to June 2018, Institute of Mathematics, University of Antioquia, Medellin, Colombia.
Research Interests: Potential Theory, Generalized Fractional Calculus, Special Functions. He already has published 14 papers.
Current Occupation: Postdoctoral position from July (2018) to December (2019) at the Regional Mathematical Center of Southern Federal University (Rostov-Don, Russia).

Rylko, Natalia

(2005) – Ph.D, Poznan University of Technology, Mechanics,

(1982) – MSc., Belarusian State University, Physics.

Areas of interest:

advanced mathematical model of fibrous composites,
application of analytical symbolic computation applied to determine the effective properties of composites,
advanced parametric analysis of composites structures.

Member:

Polish Society of Composite Materials.

Sajid, Mohammad

Ph.D and Post Doctorate in *Mathematics*, Indian Institute of Technology Kanpur, India,

Associate Professor, College of Engineering, Qassim University, Saudi Arabia,

Research Interests are real dynamics, complex dynamics, fixed points, chaos, fractals and complex analysis.

Published more than 35 research papers in journals and proceedings of conferences.

Given about 50 invited talks/contributed talks in conferences/workshops other than this, participated in 50 workshops/training/conferences.

Associated to many journals as editorial board member as well as reviewer.

Sanz, Javier

Associate Professor at Universidad de Valladolid (Spain).

Research Topics: Ultradifferentiable and ultraholomorphic classes of functions, asymptotic analysis for formal and analytic solutions of functional equations in the complex domain, including summability, interpolation problems from the functional-analytic viewpoint (moment problems, Borel-Ritt-like results, etc.).

Spitkovsky, Ilya

Professor of Mathematics, New York University Abu Dhabi (NYUAD), UAE.

Emeritus Professor of Mathematics, The College of William and Mary, Williamsburg, USA.

Doctor of Science in Physics and Mathematics, Georgian Academy of Sciences, Tbilisi, 1987.

Candidate of Science in Physics and Mathematics (PhD equivalent), Belarusian State University, Minsk, 1978.

Master of Science in Mathematics and Education, Odessa State University, Ukraine, 1975.

Suragan, Durvudkhan

He is assistant professor at the Department of Mathematics, Nazarbayev University. He received a master degree (with distinction) in theoretical physics from King's College London and his Ph.D. in Mathematics from Al-Farabi Kazakh National University. He did his postdoc studies in the Department of Mathematics at Imperial College London.

His current research interests include analysis on Lie groups, PDE, applied mathematics, potential theory and spectral geometry. He is a winner of Ferran Sunyer i Balaguer Prize 2018.

Üster, Rüya

Education:

Graduation University: Ankara University (2008-2012),

Master: Ankara University (2012-2015),

Ph.D: İstanbul University (2015-continue).

Work Experience:

Dates (From-to): 2014- continue

Name and Address of Employer: Istanbul University, Science Faculty 34134, Vezneciler, Fatih-Istanbul,

Occupation or Position Held: Research Assistant.

Research:

Functional Analysis, Abstract Harmonic Analysis, Fourier Analysis and Time Frequency Analysis.

Ulan, Maria

Phd Student at Linnaeus University, Sweden,

Researcher at Baltic Institute of Mathematics, Poland,

Independent expert for European research and innovation in The European Commission.

Research interests: PDEs, Singularities, Hamiltonian mechanics, nonholonomic systems, Industrial mathematics.

Vojnovic, Ivana

She obtained her Master's degree in 2011 and doctoral degree in 2017, both from the University of Novi Sad.

She is currently Assistant Professor at Department of Mathematics and Informatics, University of Novi Sad. She spent three months as a researcher at the Department of Mathematics, University of Torino (2015) and six months as a post-doctoral research associate at the Department of Mathematics, University of Zagreb (2018). Her scientific interests are pseudo-differential operators and partial differential equations.

Wahlberg, Patrik

PhD from Linnaeus University 2009, postdoc at University of Turin 2009-2013, assistant professor at Linnaeus University 2013-2015, associate professor since 2015. Research interests in pure and applied time-frequency, harmonic and microlocal analysis, and pseudodifferential calculus.

Wahlen, Erik

He was born 1981 in Sweden. He obtained his doctoral degree from Lund University, Sweden, in 2008, and was a postdoc at Saarland University, Germany, 2009-2010. After that he was associate senior lecturer at Lund University until 2013 and was promoted to senior university lecturer in 2013. He was awarded an ERC Starting Grant in 2015 and the Wallenberg prize from the Swedish Mathematical Society in 2016. He is interested in nonlinear partial differential equations and fluid dynamics, in particular mathematical models for water waves.

Yang, Xiao-Jun

Educations

2002.6-2006.6, B.Sc. Degree, Heilongjiang University of Science and Technology, China

2006.9-2009.6, M.Sc. Degree, China University of Mining and Technology, China

2016.9-2017.12, Ph.D. Degree, China University of Mining and Technology, China

Work Experience

2018.2-present, Professor of Applied Mathematics and Mechanics, China
University of Mining and Technology, Xuzhou 221116, China

Awards

2019 Obada Prize (An international Prize)

Research interests

Viscoelasticity, Nonlinear Dynamics, Mathematical Physics, Analytical, Approximate, Numerical and Exact Solutions for ODEs and PDEs, Integral Transforms and Their Applications, Continuous Mechanics, Rock mechanics, Fluid Mechanics, Heat Transfer, and Traffic Flow, Wavelets, Signal Processing, Biomathematics, General Calculus and Applications, Fractional Calculus and Applications, Local Fractional Calculus and Applications, General Fractional Calculus and Applications, Variable Order Fractional Calculus and Applications and Variable Order Fractional Calculus with Respect to Another Function and Applications.