



Dan Miclăuș



JOB APPLIED FOR

Associate Professor, position 10, Faculty of Science, Department of Mathematics and Computer Science, North University Center of Baia Mare, TUC-N

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WORK EXPERIENCE

Supervisor within the POCU project - internships for successful careers

SC TRENCADIS CORP SRL [05/2021 – Current]

Address: Mărgeanului 3D Street, 430014 Baia Mare (Romania)

Name of unit or department: SC TRENCADIS CORP SRL - **Business** or sector: Other service activities

Main activity: supervising the deployment of the specialized practice.

Lecturer

Technical University of Cluj-Napoca, North University Center at Baia Mare [02/2015 – Current]

Address: Victoriei 76 Street, 430072 Baia Mare (Romania)

Name of unit or department: Faculty of Science, Department of Mathematics and Computer Science - **Business** or sector: Education

Educational activities: teaching courses and seminars.

Associate teaching staff (hourly payment scheme)

Technical University of Cluj-Napoca, North University Center at Baia Mare [10/2014 – 02/2015]

Address: Victoriei 76 Street, 430072 Baia Mare (Romania)

Name of unit or department: Faculty of Science, Department of Mathematics and Computer Science - **Business** or sector: Education

Educational activities: teaching courses and seminars.

Associate teaching staff (hourly payment scheme)

Technical University of Cluj-Napoca, North University Center at Baia Mare [10/2012 – 09/2013]

Address: Victoriei 76 Street, 430072 Baia Mare (Romania)

Name of unit or department: Faculty of Science, Department of Mathematics and Computer Science - **Business** or sector: Education

Educational activities: teaching seminars.

EDUCATION AND TRAINING

PhD degree in Mathematics

Technical University of Cluj-Napoca, North University Center at Baia Mare [2008 – 2012]

Address: Victor Babeş 62/A Street, 430083 Baia Mare (Romania)

PhD title: On the approximation order and Voronovskaja's type theorem for certain linear positive operators

Defended on: 18 May 2012

Field of study: Mathematics

Specialization - Numerical Analysis

Main disciplines studied (selection): The theory of linear positive operators, Voronovskaja's type theorems, Quadrature formulas.

Master degree in Mathematics

North University of Baia Mare [2007 – 2008]

Address: Victor Babeş 62/A Street, 430083 Baia Mare (Romania)

Field of study: Mathematics

Specialization: Numerical Methods with Application in Aided Design

Main disciplines studied (selection): Numerical Methods in Optimization, Approximation of the Solutions for Differential and Integral Equations, Mathematical Modeling, Statistics with Applications, Scientific Computing.

Bachelor degree in Mathematics and Physics

North University of Baia Mare [2003 – 2007]

Address: Victor Babeş 62/A Street, 430083 Baia Mare (Romania)

Field of study: Mathematics

Specialization: Mathematics and Physics

Main disciplines studied (selection): Mathematical Analysis, Algebra, Geometry, Complex Analysis, Differential Equation with Partial Derivatives, Theoretical Mechanics, Probability and Statistics, Operational Research, Numerical Analysis, Approximation of Functions with many Variables, Discrete Mathematics, Physic and Acoustic Mechanics, Thermodynamic and Molecular Physics, Quantum Mechanics, Plasma's Theory, Quantum Mechanics of Atom and Molecule.

LANGUAGE SKILLS

Mother tongue(s): **Romanian**

Other language(s):

German

LISTENING C1 READING C1 WRITING B1

SPOKEN PRODUCTION B1 SPOKEN INTERACTION B2

English

LISTENING B1 READING B1 WRITING A2

SPOKEN PRODUCTION A2 SPOKEN INTERACTION A2

DIGITAL SKILLS

Microsoft Word / Microsoft Excel / MINITAB (Statistic software) / MATHCHA (Online mathematics editor) / Professional document editing in LaTeX / MAPLE (Mathematical software)

COMPETENCES

Social skills and competences

Perseverance, tenacity, desire for knowledge, creativity, team spirit, sense of humor, spontaneity, involvement and communication, cooperation, ability to relate.

Organizational skills and abilities

Organizing time and activities, developing plans, setting goals and standards, skills for teamwork, skills for organizing events.

DRIVING LICENCE

Driving Licence: B

Driving Licence: C

Driving Licence: CE

PUBLICATIONS

Published teaching works

1) Dan Miclăuș and Dan Bărbosu, *Elements of higher mathematics (in Romanian)*, Risoprint Publishing, Cluj-Napoca 2015, ISBN 978-973-53-1463-7

Published scientific works (monographs)

1) Dan Miclăuș, *A new method to apply the Voronovskaja type theorem*, LAP Lambert Academic Publishing, Germany 2013, ISBN 978-3-659-35575-2

Published articles

A total of 38 articles published in BDI type journals in the country and abroad, of which 14 articles are published in A type journals (ISI listed), according to the UEFISCDI classification.

Published articles in ISI listed journals (selected list)

7) Dan Miclăuș, *Some new results concerning the classical Bernstein cubature formula*, *Symmetry* 13 (2021), no. 6, Article ID: 1068.

6) Arun Kajla and Dan Miclăuș, *Bezier Variant of the Szasz-Durrmeyer type operators based on the Poisson-Charlier polynomials*, *Filomat* 34 (2020), no. 10, 3265-3273.

5) Dan Miclăuș, *An approximation of the surfaces areas using the classical Bernstein quadrature formula*, *Mathematical Methods in the Applied Sciences* 42 (2019), 5317-5330.

4) Arun Kajla and Dan Miclăuș, *Blending type approximation by GBS operators of generalized Bernstein-Durrmeyer type*, *Results in Mathematics* 73 (2018), no. 1, 1-21.

3) Dan Miclăuș, *The generalization of the Bernstein operators on any finite interval*, *Georgian Mathematical Journal* 24 (2017), no. 3, 447-454.

2) Naokant Deo, Minakshi Dhamija and Dan Miclăuș, *Stancu-kantorovich operators based on inverse Polya-Eggenberger distribution*, *Applied Mathematics and Computation* 273 (2016), 281-289.

1) Dan Miclăuș, *The revision of some results for Bernstein-Stancu type operators*, *Carpathian Journal of Mathematics*, 28 (2012), no. 2, 289-300.

CONFERENCES

National and international conferences

I attended at 14 national and international conferences.

International conferences (selected list)

- 5) D. Miclăuș, *The classical Bernstein polynomial involved in a root finding method*, International Conference on Approximation Theory and its Applications, 10-13 September 2019, Sibiu, Romania.
- 4) D. Miclăuș, *Some new results concerning the classical Bernstein quadrature formula*, The 4th International Conference on Numerical Analysis and Approximation Theory, 6-9 September 2018, Cluj-Napoca, Romania.
- 3) D. Miclăuș, *On the adaptive classical Bernstein quadrature formula*, The International Conference on Mathematics, Minisymposium on Approximation Theory, 3-6 July 2018, Istanbul, Turkey.
- 2) D. Miclăuș, *The approximation of the surfaces areas using classical Bernstein quadrature formula*, The International Conference Curves and Surfaces 2018, 28-4 July 2018, Arcachon, France.
- 1) D. Miclăuș, *The implementation of a new method for the approximation of integrals using Bernstein operator*, The 7th International Conference on Advanced Computational Methods in Engineering, 18-22 September 2017, Ghent University, Belgium.

RESEARCH PROJECTS

The implementation of a approximation method for definite integrals using linear positive operators

[07/2017 – 06/2018]

1) I had the quality of project director of the research contract with the identification number 2011/12.07.2017. The financial resource was in the amount of 20000 RON fully supported by the Technical University of Cluj-Napoca, having the quality of Contracting Authority.

Researchers for the sustainable development of the Romanian society

[01/10/2008 – 30/09/2012]

1) I had the quality of a project member in the contract with the identification number POSDRU/6/1.5/S/18. The financial resource was in the amount of 1850 RON/month (for 36 months), from the European Social Fund, the Sectoral Operational Program for Human Resources Developments 2007-2013.

AWARDS

Article published in ISI journal (red zone)

2) Dan Miclăuș and Laurian Pișcoran, *A new method for the approximation of integrals using the generalized Bernstein quadrature formula*, Applied Mathematics and Computation 340 (2019), 146-155

1) Arun Kajla and Dan Miclăuș, *Blending type approximation by GBS operators of generalized Bernstein-Durrmeyer type*, Results in Mathematics 73 (2018), no. 1, 1-21

Article published in ISI journal (yellow zone)

5) Dan Miclăuș, *Some new results concerning the classical Bernstein cubature formula*, Symmetry 13 (2021), no. 6, Article ID: 1068.

4) Arun Kajla and Dan Miclăuș, *Bezier variant of the Szasz-Durrmeyer type operators based on Poisson-Charlier polynomials*, Filomat 34 (2020), no. 10, 3265-3273.

3) Naokant Deo, Minakshi Dhamija and Dan Miclăuș, *New modified Baskakov operators based on the inverse Polya-Eggenberger distribution*, Filomat 33 (2019), no. 11, 3537-3550

2) Dan Miclăuș, *An approximation of the surfaces areas using the classical Bernstein quadrature formula*, Mathematical Methods in the Applied Sciences 42 (2019), 146-155

1) Dan Bărbosu and Dan Miclăuș, *On the Voronovskaja-type formula for the Bleimann, Butzer and Hahn bivariate operators*, Carpathian Journal of Mathematics 33 (2017), no. 1, 35-42

AFILIATION

American Mathematical Society (member)

[01/01/2020 – Current]

Reviewer for Mathematical Reviews since 2012.