



Curriculum vitae Europass

Informații personale

Last name / First name **LAZĂR, Ioana-Claudia**
Address Department of Mathematics, Politehnica University of Timișoara,
Victoriei Square, No. 2, 300006, Timișoara
Phone
E-mail
Nationality Romanian
Birth date
Birth place
Sex feminin
Marital status Married, 3 children

Professional experience

Period 22.02.2016 – present
Position Lecturer
Activities - Lectures of Linear Algebra and Geometry, Calculus1, Calculus2, Mathematical Analysis (in Romanian and English language)
- Seminars of Linear Algebra and Geometry, Calculus1, Calculus2, Mathematical Analysis (in Romanian and English language)
Name of the employer Politehnica University of Timișoara
Period 11.12.2010 - 21.02.2016
Position Assistant Professor
Activities - Lectures of Linear Algebra and Geometry (in German language)
- Seminars of Linear Algebra and Geometry, Mathematical Analysis, Computer Assisted Mathematics (in Romanian and German language)
- Laboratoires of Computer Assisted Mathematics (in Romanian language)
Name of the employer Politehnica University of Timișoara

Education

Period	2006 – 2009, Babeş-Bolyai University of Cluj-Napoca, PhD studies
Diploma	Diploma of Doctor in Mathematics Title of thesis: The study of simplicial complexes of nonpositive curvature Scientific advisor: Professor Dorin Andrica
Period	2005 – 2006, Babeş-Bolyai University of Cluj-Napoca, Master degree
Diploma	Diploma of Master in Algebra and Geometry
Period	2005 – 2006, Babeş-Bolyai University of Cluj-Napoca, Master degree
Diploma	Diploma of Master in Data Bases in Internet and Electronic Trading
Period	2005 – 2006, Vest Vasile Goldiş University of Arad, Master degree
Diploma	Diploma of Master in Educational Management
Period	2001 – 2005, Babeş-Bolyai University of Cluj-Napoca
Diploma	Bachelor Diploma in Mathematics and Computer Science (in German language)
Period	1997 – 2001, Moise Nicoară National College of Arad,
Diploma	Bacalaureat Diploma, profile Mathematics-Physics bilingual English

Personal abilities

Mother tongue **Romanian**

Foreign languages

Autoevaluation	Understanding		Spoken		Written
	Listening	Reading	Participation at talks	Oral speech	Written expressions
German	Advanced	Advanced	Advanced	Advanced	Advanced
English	Advanced	Advanced	Advanced	Advanced	Advanced
French	Satisfying	Satisfying	Satisfying	Satisfying	Satisfying
Certificates	Deutsches Sprachdiplom (2000), Oxford Examination as a Foreign Language (2000)				

Computer skills and abilities **Java, Pascal, Matlab, Latex**

Additional information

Research domain: geometric group theory, metric geometry, combinatorial topology

Published papers: 13 papers in ISI journals

Books: 4

h-index: 5

Scientific referee ISI journal: Balkan Journal of Geometry and Its Applications (2013)

Member in national societies: SSMR, BJGA

Member in the Scientific Committee of the conference Mathematical Conference of the Republic of Srpska, 5-6.06.2015

Projects:

- 2015 – 2017: member of the research team, Grant 19/6-020/961-120/14 (Ministry of Science of the Republic of Srpska), international cooperation between the University of East, Faculty of Trebinje, Republic of Srpska, Mathematical Institute SASA, Belgrade, Serbia and Politehnica University of Timisoara, Romania (Application of Dynamical Software Cinderella in Scientific and Technical Research, Mathematics and Education);
http://www.vladars.net/sr-SP-Cyrl/Vlada/Ministarstva/mnk/Konkursi/Konkursi_ministarstva/Konkursi_nauke/Documents/KONACNA%20rang-lista%20projekata%202014.pdf
- 01.06.2009 – 31.05.2010: member of the research team, CNCISIS Grant PN II IDEI_2162
- 2007 – 2008: member of the research team, CNCISIS Grant No. 1467/2007

Some conferences and seminars:

- Geometry Seminar, Wroclaw, Poland, 29.06.2026, title of the presentation: Minimal filling diagram lemma for triangle-pentagon complexes of graphs with convex balls, financed by Politehnica University of Timisoara, invited by Professor Nima Hoda
<https://dgt.math.uni.wroc.pl/>
- Geometric Group Theory, Arithmetic Geometry, Analysis of PDEs, Regensburg, Germany, 28 – 30.07.2025, title of the presentation: 7-location and CAT(0) spaces, financed by Politehnica University of Timisoara
https://wimregensburg.app.uni-regensburg.de/Conf_Schedule.html
- The 16th International Conference on Mathematics and Its Applications, Timisoara, 29 – 31.05.2025, title of presentation: Minimal displacement set for CAT(0) cubical complexes
<https://icma.upt.ro/wp-content/uploads/2025/05/Program%20ICMA%202025.pdf>
- Seminar for Combinatorics, Geometry, Algebra, and Topology, Institute of Mathematics SASA, Belgrade, Serbia, 28.10.2024, title of the presentation: Minimal displacement set for 8-located simplicial complexes with the SD'-property, invited by Professor Djordje Baralic
https://www.mi.sanu.ac.rs/novi_sajt/seminars/programs/seminar3.oct2024.php
- Groups and Topological Groups, Bilbao, Spain, 26 – 28.06.2024, title of the presentation: Minimal displacement set for weakly systolic complexes
<https://sites.google.com/view/qtg-2024/>
- Mathematical Colloquium, Institute of Mathematics SASA, Belgrade, Serbia, 30.10.2023, title of the presentation: Minimal filling diagram lemma for 7-located simplicial complexes, invited by Professor Djordje Baralic
http://www.mi.sanu.ac.rs/novi_sajt/seminars/programs/seminar3.oct2023.php
- Cube Complexes and Combinatorial Geometry, CRM, Montreal, Canada, 21.06 – 3.07.2023, title of the presentation: Weakly systolic and 7-located complexes, CAT(0) spaces, financed by CRM, invited speaker
<https://www.crmath.ca/en/activities/#!/type/activity/id/3856>
- Mathematical Colloquium, Institute of Mathematics SASA, Belgrade, Serbia, 27.10.2022, title of the presentation: Recurrence relations in simplicial complexes, invited by Professor Djordje Baralic
http://www.mi.sanu.ac.rs/novi_sajt/seminars/programs/seminar15.oct2022.php
- Hyperbolic Groups and their Generalizations, Institutul Henri Poincare, Paris, France, 18.06 – 25.06.2022, title of the presentation: Connections between systolicity, m-location and Gromov hyperbolicity (invited lightning talk), financed by Politehnica University of Timisoara
- Metric Graph Theory and Related Topics, CIRM, Marseille, France, 6.12 – 10.12.2021, title of the presentation: 8-located and 5/9-complexes complexes,³ financed by Politehnica University of Timisoara
<https://conferences.cirm-math.fr/2402.html>

- Mathematical Colloquium, Institute of Mathematics SASA, Belgrade, Serbia, 1.12.2017, title of the presentation: Quadratic isoperimetric inequality for 7-located simplicial complexes, invited by Professor Djordje Baralic
http://www.mi.sanu.ac.rs/novi_sajt/colloquiums/programs/mathcoll.dec2017.php
- ICMA, University Politehnica of Timisoara, 5 – 7.11.2015, title of the presentation: The Gromov hyperbolicity of 5/9-complexes
http://www.mat.upt.ro/Informatii_146_ro.html
- "Conference on Geometric Group Theory", Institutul of Mathematics, University of Wroclaw, Poland, 29.06 – 3.07.2015, poster: A combinatorial negative condition implying Gromov hyperbolicity, financed by Grant 19/6-020/961-120/14 (Ministry of science of the Republic of Srpska)
<http://www.math.uni.wroc.pl/ggt/>
- Seminar of Geometry, Institute of Mathematics, University of Wroclaw, Poland, 18.12.2014, title of the presentation: A combinatorial negative curvature condition
<http://www.math.uni.wroc.pl/dgt/14.html>
- "Topics in Geometric Group Theory", Bucharest, IMAR, 29.09– 5.10. 2014, title of the presentation: The combinatorial structure of finite and locally finite simplicial complexes of nonpositive curvature, financed by IMAR – Grant PN-II-ID-PCE-1021-4-0201
http://imar.ro/~fradules/Topics_in_GGT.html
- Seminar for Combinatorics, Geometry, Algebra, and Topology, Institute of Mathematics SASA, Belgrade, Serbia, 4.11.2013, title of the presentation: Discrete Morse theory, nonpositive curvature, and simplicial collapsibility, invited by Professor Djordje Baralic
<http://www.mi.sanu.ac.rs/mmm/engleski/planovi/2013.html>
- The International Conference of Differential Geometry and Dynamical Systems, Bucharest, 10.10 – 13.10.2013, title of the presentation: Systolic simplicial complexes are collapsible;
- "Geometric and Combinatorial Group Theory with Applications 6", Düsseldorf, Germany, 25.07 – 3.08.2012, title of the presentation: Discrete Morse theory, simplicial nonpositive curvature, and simplicial collapsibility;
- Seminar of Geometry and Analysis, Mathematical Institute, University of Augsburg, Germany, 3.12.2008, title of the presentation: Collapsing cell-complexes of dimension 2 and 3, invited by Professor Katrin Wendland.

13.07.2026

Ioana-Claudia Lazar