

**EUROPEAN
CURRICULUM VITAE
FORMAT**



PERSONAL INFORMATION

Name **MELANIJA MITROVIĆ**
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Nationality Serbian
Date and Place of birth 21.01.1959. DIMTROVGRAD (SERBIA)

WORK EXPERIENCE

- Dates (from – to) 1985. - 1992.
• Name and address of employer University of Niš, Faculty of Mechanical Engineering, Aleksandra Medvedeva 14, 18000 Niš, Republic of Serbia
• Type of business or sector High Education
• Occupation or position held Junior teaching assistant at Department of mathematics
• Main activities and responsibilities Lectures and exercises on various undergraduate courses organized by Department of Mathematics (Calculus 1 and Descriptive Geometry)

- Dates (from – to) 1992. - 2001.
• Name and address of employer University of Niš, Faculty of Mechanical Engineering, Department of Mathematics, Aleksandra Medvedeva 14, 18000 Niš, Republic of Serbia
• Type of business or sector High Education
• Occupation or position held Assistant
• Main activities and responsibilities Lectures and exercises on various undergraduate courses organized by Department of Mathematics (Calculus 1 and Descriptive Geometry)

- Dates (from – to) 2001. - 2006.
• Name and address of employer University of Niš, Faculty of Mechanical Engineering, Department of Mathematics, Aleksandra Medvedeva 14, 18000 Niš, Republic of Serbia
• Type of business or sector High Education
• Occupation or position held Assistant professor
• Main activities and responsibilities Lectures and exercises organized by Department of Mathematics:
 - On various undergraduate: Calculus 1, Descriptive Geometry and Computer Graphics, Probability and Statistics - half of semester course.
 - On postgraduate: Probability and Statistics.

- Dates (from – to) 2006. - 2014.
- Name and address of employer University of Niš, Faculty of Mechanical Engineering, Department of Mathematics, Aleksandra Medvedeva 14, 18000 Niš, Republic of Serbia
- Type of business or sector High Education
- Occupation or position held Associate professor
- Main activities and responsibilities Lectures and exercises organized by Department of Mathematics:
 - Bachelor Level: Calculus 2, Business Statistics (The Engineering Management Profile).
 - Master Level: Calculus 3.
 - Doctoral level: Probability and Statistics.

- Dates (from – to) Since 2014.
- Name and address of employer University of Niš, Faculty of Mechanical Engineering, Department of Mathematics, Aleksandra Medvedeva 14, 18000 Niš, Republic of Serbia
- Type of business or sector High Education
- Occupation or position held Full professor
- Main activities and responsibilities Lectures and exercises organized by Department of Mathematics:
 - Bachelor Level: Calculus 2, Business Statistics (The Engineering Management Profile).
 - Master Level: Calculus 3.
 - Doctoral level: Probability and Statistics.

EDUCATION

- Dates October 1977. – March 1983.
- Name and type of organisation providing education and training Undergraduate studies
- Principal subjects/occupational skills covered University of Niš, Faculty of Philosophy
Mathematics
- Title of qualification awarded Dipl. mathematician
- Level in national classification High (VSS) VII-1

- Dates (from – to) 1983. - 1992.
- Name and type of organisation providing education and training Postgraduate studies
- Principal subjects/occupational skills covered University of Niš, Faculty of Philosophy
Mathematics
- Title of qualification awarded M.Sc. Master of Mathematics
- Level in national classification High (VSS) VII-2

- Dates 1995. – 2000.
- Name and type of organisation providing education and training Postgraduate studies
- Principal subjects/occupational skills covered University of Niš, Faculty of Sciences and Mathematics
Mathematics
- Title of qualification awarded Ph. D. of Mathematics
- Level in national classification High (VSS) VIII

SCIENTIFIC WORK

- Research interest
 - Algebraic theory of semigroups.
 - Algebraic theory of semirings.
 - Theory of constructive semigroups.
- Society Memberships
 - Serbian Mathematical Society.
 - Center for Advanced Mathematical Models in Informational Technologies, Mathematical Institute SANU Belgrade.

- Research Grants
 - 11M04 grant of Faculty of Mechanical Engineering, University of Niš. (1996- 2000)
 - “Methods of Logic for Decision Support in Real Situation” (1379), Serbian Ministry of Science, Technology and Development. (2000-2005)
 - “Representation of Logical Structures and their Applications in Computer Science” (144013), Serbian Ministry of Science, Technology and Development. (2005-2010)
 - “Representations of logical structures and formal languages and their application in computing” (174026), Serbian Ministry of Education, Science and Technological Development. (since 2010)
 - Grant “Positive Quasi-antiororders in Semigroup with Apartness”, Faculty of Philosophy University of East Sarajevo, Ministry for Science and Technology of the Republic of Srpska, Bosnia and Herzegovina, Scientific Society of Mathematicians Banja Luka. (2007-2008)
 - Grant “Special Maltsev’s Relational Systems - Coequalities and Quasi- antiororders”, Scientific society of mathematicians Banja Luka, Ministry of sciences and technology of the Republic of Srpska, Bosnia and Herzegovina. (2008-2010).
- Grants
 - EUROWEB+ mobility project (to spend 3 months at Mathematics and Applied Mathematics) at Malardalen University, Sweden, (till 2018).
 - 2005, November-December Tempus IMG-SCG1025-2005, TU Wien, Austria.
- Invited Lectures
 - 2007, May - DMG Institute, TU Wien, Austria.
 - 2008, August - UTAD (University of Trs-os-Montes and Alto Douro), Vila Real, Portugal.
 - 2013, April - Bar Ilan University, Tel Aviv, Israel.
- Conferences

Conference organization:

 - “Constructive Mathematics: Foundations and Practice”, Niš, 2013, 24- 28 of June - member of Programme Committee and chair of Organizing Committee.
<http://www.masfak.ni.ac.rs/cmfp2013>
 - The Second International Conference “Mechanical Engineering in the 21st Century”, Niš, 2013, 20-21 of June - member of Organizing Committee.
 - The International Conference “Mechanical Engineering in the 21st Century”, 2010, 25-26 of November - member of Organizing Committee.
 - “Theoretical Computer Science - from Foundation to Application”, 2009, 7-11 of November, Niš - member of Programme Committee and chair of Organizing Committee.
<http://www.masfak.ni.ac.rs/tcs-fa09>
 - “Novi Sad Algebraic conference”, NSAC 2005, Novi Sad, 11-15 July - member of Programme Committee.
 - “Developments in Language Theory”, 8th International Conference, DLT 2004, Auckland, New Zealand, 13-17 December 2004, Proceedings, Series: Lecture Notes in Computer Science, Vol. 3340, Calude, Cristian S.; Calude, Elena; Dinneen, Michael J. (Eds.) 2005, XI, 431p - , reviewer.
 - “Discrete Mathematics and Theoretical Computer Science”, 4th International Conference, DMTCS 2003, Dijon, France, 7-12 July 2003, Proceedings, Series: Lecture Notes in Computer Science, Vol. 2731, Calude, Cristian S.; Dinneen, Michael J. Vajnozovski, V (Eds.), 2003, 300p - member of Programme Committee and reviewer.
 - “Algebra, Logic and Discrete Mathematics”, Niš, 1995, 14-16 April - member of Organizing Committee.

Invited talks:

M. Mitrović, S. Crvenković: *Constructive Semigroup with apartness – New Algebraic Theory*, AAA94+NSAC2017: Special Session on Semigroups, Novi Sad, 16 of June, 2017.
<http://people.dmi.uns.ac.rs/~dockie/semigroups2017/>

M. Mitrović, S. Crvenković: *Semigroup with apartness (in Serbian)*, In occasion of 70th anniversary of the Mathematical Institute of the Serbian Academy of Sciences and Arts, 12-13 May 2016, Belgrade.

M. Mitrović, S. Crvenković, D. A. Romano: *Semigroup with apartness: constructive versions of some classical theorems*, Annual Iranian Mathematics Conference AIMC 46, 25-38 August 2015, Yazd, Iran.

Participant:

- Workshop “Semigroups and Applications”, Uppsala, 2012, 31 of August - 2 of September.
- “Algebra e Informatica Teorica”, Siena, 2004, 5-6 July.
- “International Meeting on Semigroup Theory and Related Topics”, University of Minho, Braga, Portugal, 2003, 25-28 June.
- “Workshop on Semigroups and Languages”, University of Lisbon, Lisbon, Portugal, 2001 November 27-29.
- “Colloquium on Semigroups”, Szeged, Hungary, 2000, Jul 17-21.
- “Words, Languages and Combinatorics”, Kyoto, Japan, 2000, March 14-18.
- “International Conference of Semigroups”, Braga, Portugal, 1999, Jun 18- 23.
- “Semigroups and Applications”, St. Andrews, Scotland, 1997, July 2-8.

Participant of Serbian conferences:

- Workshop “Analysis and Topology Meet Algebra”, ATA, Sombor, 2012, 25-27 May.
- “Filomat”, Niš, 2001, August.
- X Congress of Yugoslav Mathematicians, Belgrade, 2000, 21-24 January.
- Algebra and Logic, In the occasion of 65th birthday of prof. Svetozar Milić, 1999, 21-22 September.
- “Algebra and Logic”, Novi Sad, 1998, 21-23 September.
- Matematička konferencija, Priština, 1996, 25-27 September.
- Congress of Yugoslav Mathematicians, Petrovac, 1995, May.
- “Algebra, Logic and Discrete Mathematics”, Niš, 1995, 14-16 April.
- Editing
 - “Mat-Kol Ba(nj)a Luka”, Matematički kolokvijum, ISSN 0354-6969, founded in 1995 - member of Editorial Board.
- Referee
 - Mathematical Reviews, USA.
 - Zentralblatt für Mathematik, Germany - local redaction.
 - Applied and Computational Mathematics, SciencePG.
- Publications

Book:

- M. Mitrović: *Semilattices of Archimedean Semigroups*, (with a foreword by Donald B. McAlister) University of Niš, 2003.

Book for students:

- M. Mitrović: *Calculus 2 (Matematika 2)*, University of Niš, Faculty of Mechanical Engineering, 2013 (in Serbian).

Survey Paper:

- M. Mitrović: *On Semilattices of Archimedean semigroups - a survey*, in Proceedings of Workshop on Semigroups and Languages, 2002, Lisbon, Portugal, World Scientific 2004, 163–196.

Papers:

- S. Crvenković, M. Mitrović, D. A. Romano: *Basic Notions of (Constructive) Semigroups with Apartness*, Semigroup Forum, June 2016, Volume 92, Issue 3, 659-674.
- Y. Shao, M. Ren, S. Crvenković, M. Mitrović: *The Semiring Variety Generated by any Finite Number of Finite Fields and Distributive Lattices*, Publications de l'Institut Mathématique, 2015, 98 (112), 45-51.
- Y. Shao, S. Crvenković, M. Mitrović: *The Variety of Semirings Generated by Distributive Lattices and Finite Fields*, Publications de l'Institut Mathématique, 2014, 95 (109), 101–109.
- A. Caserta, S. Đurčić, M. Mitrović: *Selection Principles and Double Sequences II*, Hacettepe Journal of Mathematics and Statistics, Volume 43 (5) (2014), 725-730.
- S. Crvenković, M. Mitrović, D. A. Romano: *Semigroups with Apartness*, Mathematical Logic Quarterly, 2013, 59 (6), 407-414, malq.201200107.
- Y. Shao, S. Crvenković, M. Mitrović: *The Zeleznikow Problem on a Class of Additively Idempotent Semiring*, Journal of the Australian Mathematical Society, 2013, 95 (3), 404–420 DOI 10.1017/S14466788713000359.
- B. D. Nikolić, B. Kegl, S. D. Marković, M. S. Mitrović: *Determining the Speed of Sound, Density, and Bulk of Rapeesed Oil, Biodiesel, and Diesel Fuel*, Thermal Science, 2012, 16, Suppl. 2, 505–514.
- S. Crvenković, D.A.Romano and M. Mitrović: *Complementary pair of quasi-antiorders*; 1-6 pp. Reports of Mathematical Logic, ISSN: 0137- 2904, 45(2010).
- M.Mitrović, D.A.Romano and M.Vinčić: *Theorem on semilattice-ordered semigroup*; International Mathematical Forum; ISSN 1312-7594, 4(5)(2009), 227–232.
- M. Mitrović: *Regular Subsets of Semigroups Related to their Idempotents*, Semigroup Forum, Volume 70, Number 3 (2005), 356–360.
- S. Bogdanović, M. Ćirić, M. Mitrović: *Semilattices of Nil-extensions of Simple Regular Semigroups*, Algebra Colloquium 10:1 (2003), 81–90.
- S. Bogdanović, M. Ćirić, M. Mitrović: *Semigroups Satisfying Certain Regularity Conditions*, "Advances in Algebra - Proceedings of the ICM Satellite Conference in Algebra and Related Topics", World Scientific Publ. Co. Singapore, 46–59.
- G. Petrović, V. Jeftić, M. Mitrović, Z. Marinković: *External Excitations and Disturbances with Bucket Wheel Excavators as Non-linear and Random Functions*, Facta Universitatis (Series: Mechanical Engineering), Vol. 1, No 10, 2003, 1339–1346.
- M. Mitrović, S. Bogdanović, M. Ćirić: *Locally uniformly π -regular semigroups*, Proceedings of the International Conference of Semigroups, Braga, Portugal, 18-23 Jun 1999, World Scientific, 106-113.

- S. Bogdanović, M. Ćirić, M. Mitrović: *Semilattices of hereditary Archimedean semigroups*, Filomat (Niš) 9:3 (1995), 611-617, Algebra, Logic and Discrete Mathematics, Niš, April 14-16. 1995, 611-617.

• Activities

Guest:

- University of Minho, Braga, Portugal, 2014, 19-28 of November.
- TU Wien, 2009 - member of University of Niš delegation who sign contract between two Universities.
- TU Wien, several times between 2005-2008.
- University of Bucharest, Romania, 2004, September 26-30.
- Politecnico di Milano, Italy, 2004, 3-10 July.
- University of Banja Luka, several times since 2007.
- University of Novi Sad, several times since 2001.

Host:

- Donald McAlister, Northern Illinois University, 2002.
- Cristian Calude, The University of Auckland, 2003.
- Alessandra Cherubini, Politecnico di Milano, 2004.
- Masami Ito, Kyoto Sangyo University, 2007.
- Douglas S. Bridges, University of Canterbury, Christchurch, 2013.

**PERSONAL SKILLS
AND COMPETENCES**

MOTHER TONGUE

SERBIAN

OTHER LANGUAGES

- Reading skills
- Writing skills
- Verbal skills

ENGLISH

Excellent

Very Good

Very good

**SKILLS
AND COMPETENCES**

Member of the following Faculty of Mechanical Engineering committees and boards:

1. Quality Board - current member.
2. Committee for the Student Assessment of the Quality of Studies (2009-2014).
3. Committee for the Accreditation of the Engineering Management Study Programme (2011-2012).

FAMILLY

- Marital status
- Children

Married with Borica

2 children: Mladen and Vladimir