**Table 9.1** *Scientific, artistic and professional qualifications of teachers and teaching assignments*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name and family name | | | | | | | Marko D. Petković | | | | | | | |
| Title | | | | | | | Full professor | | | | | | | |
| Name of the institution employing the teacher full-time or part-time, since when | | | | | | | University of Niš, Faculty of Mathematics and Sciences  From 2007 | | | | | | | |
| A narrow scientific or artistic field | | | | | | | Computer science | | | | | | | |
| Academic career | | | | | | | | | | | | | | |
|  | | | | | Year | Institution | | | | Scientific or art field | | | Narrow scientific, art or vocational field | |
| Election to a title | | | | | 2016 | Faculty of Mathematics and Sciences, Niš | | | | Computer science | | | Computer science | |
| Doctorate | | | | | 2008 | Faculty of Mathematics and Sciences, Niš | | | | Computer science | | | Computer science | |
| Specialization | | | | |  |  | | | |  | | |  | |
| Magistratura | | | | |  |  | | | |  | | |  | |
| Master degree | | | | |  |  | | | |  | | |  | |
| Diploma | | | | | 2006 | Faculty of Mathematics and Sciences, Niš | | | | Mathematical science | | | Computer and informatics technology | |
| **List of subjects the teacher has been accredited for in the first or the second degree of studies** | | | | | | | | | | | | | | |
| No.  1,2,3.... | | Code of the subject | | Name of the subject | | | | Model of teaching | | | Name of the study program | | | Type of studies (ОSS, SSS, OAS, MSS, MAS, SAS) |
| 1. | |  | | Numerical methods 1 | | | | active teaching | | | Computer science | | | OAS |
| 2. | | 10.FIZR1 | | Basics of computing | | | | active teaching | | | Physic | | | OAS |
| 3. | | 20.IMRS22 | | Theory of programming languages | | | | active teaching | | | Computer science | | | MAS |
| 4. | | 20.IMUI41 | | Information theory and coding | | | | active teaching | | | Computer science | | | MAS |
| 5. | | 20.IMI08 | | Information theory in machine learning | | | | active teaching | | | Computer science | | | MAS |
| 6. | | 20.IMI13 | | Digital image processing | | | | active teaching | | | Computer science | | | MAS |
| 7. | | М2.М1420 | | Image and signal processing | | | | active teaching | | | Mathematices | | | MAS |
| 8. | | 20.IOI06 | | Script languages | | | | active teaching | | | Computer science | | | OAS |
| 9. | | MA.M1008 | | Programming 1 | | | | active teaching | | | Mathematices | | | OAS |
| 10. | | Master 4.0 UNI | | Introduction to digital signal and image processing | | | | active teaching | | | Mathematices | | | MAS |
| 11. | | 22.7411 | | Programming for business applications 1 | | | | active teaching | | | Advanced Data Analytics in Business | | | MAS |
| 12. | | 22.7414 | | Programming for business applications 2 | | | | active teaching | | | Advanced Data Analytics in Business | | | MAS |
| **Representative references (minimum 5, maximum 10)** | | | | | | | | | | | | | | |
|  | M. Petković, P. Stanimirović, V. Katsikis, *Modified discrete iterations for computing the inverse and pseudoinverse of the time-varying matrix*, Neurocomputing 289 (2018), 155-165. (M21, IF=4.072) | | | | | | | | | | | | | |
|  | P. Stanimirović,M. Petković, *Gradient neural dynamics for solving matrix equations and their applications*, Neurocomputing 306 (2018), 200-212. (M21, IF=4.072) | | | | | | | | | | | | | |
|  | M. Petković, M. Krstić, K. Rajković*, Rapid generalized Schultz iterative methods for the computation of outer inverses,* Journal of Computational and Applied Mathematics 344 (2018), 572-584. (M21, IF=1.632) | | | | | | | | | | | | | |
|  | P. Rajković, S. Marinković, M. Petković*, A class of orthogonal polynomials related to the generalized Laguerre weight with two parameters,* Computational and Applied Mathematics 38:10 (2019). (M22, IF=1.260) | | | | | | | | | | | | | |
|  | V. Stojanović, M. Petković, Jian Deng, *Stability and vibrations of an overcritical speed moving multiple discrete oscillators along an infinite continuous structure*, European Journal of Mechanics /A Solids 75, 367-380. (M21, IF=2.931) | | | | | | | | | | | | | |
|  | Z. Perić, J. Nikolić, M. Petković, *Class of tight bounds on the Q-Function with closed-form upper bound on relative error*, Mathematical Methods in the Applied Sciences 42:6 (2019), 1786-1794. (M21, IF=1.533) | | | | | | | | | | | | | |
|  | V. Stojanović, M. Petković, J. Deng, *Stability of parametric vibrations of an isolated symmetric cross-ply laminated plate*, Composites part B: Engineering 167 (2019), 631-642. (M21a, IF=6.864) | | | | | | | | | | | | | |
|  | T. Saha, S. Srivastava, S. Khare, P. Stanimirović, M. Petković, *An improved algorithm for basis pursuit problem and its applications*, Applied Mathematics and Computation 355 (2019), 385-398. (M21a, IF=3.092) | | | | | | | | | | | | | |
|  | P. Stanimirović,M. Petković, *Improved GNN models for constant matrix inversion*, Neural Processing Letters 50:1 (2019), 321-339. (M22, IF=2.591) | | | | | | | | | | | | | |
|  | V. Stojanović, M. Petković, D. Milić, *Nonlinear vibrations of a coupled beam-arch bridge system*, Journal of Sound and Vibration, to appear. (M21, IF=3.123) | | | | | | | | | | | | | |
| **Cumulative information about teachers scientific, art or vocational activity** | | | | | | | | | | | | | | |
| Total number of citations | | | | | | | | | 784 | | | | | |
| Total number of papers from the SCI (SSCI) list | | | | | | | | | 76 | | | | | |
| Current participation in projects | | | | | | | | | National 1 | | | International 1 | | |
| Specializations | | | Delaware State University, Dover, DE, USA, 2.5 months postdoctoral research stay, June 15th-September 30th, 2009. | | | | | | | | | | | |
| Other information you may consider important  Member of the editorial board of the journal:  1. Filomat, Faculty of Natural Sciences and Mathematics, Ni;š  2. Facta Universitatis, Series: Mathematics and Informatics, University of Kragujevac;  3. Kragujevac Journal of Mathematics, University of Kragujevac;  4. Applied Mathematics and Computer Science, Faculty of Natural Sciences and Mathematics, Niš;  5. University thought: Publication in natural sciences, University of Prishtina with temporary headquarters in Kosovska Mitrovica. | | | | | | | | | | | | | | |