

Concurs pentru ocuparea postului de conferențiar, poz. 60
 Departamentul Informatică și Cibernetică Economică
 Disciplinele: Tehnologii Web
 Domeniul: Informatică Economică
 post publicat în Monitorul Oficial al României nr. 152 din 24.04.2023.

LISTA DE LUCRĂRI

Candidat: TOMA N. Andrei - **Dr.**/din 2011, Lector /din 2013
 (NUME, inițială și prenume) (anul) (Titlul didactic/echiv.) (anul)

1. Lista celor maximum 10 lucrări considerate de candidat a fi cele mai relevante pentru realizările profesionale proprii, care sunt incluse în format electronic în dosar și care se pot regăsi și în celelalte categorii de lucrări din prezenta listă de lucrări:

- TOMA Andrei**, „*Tehnologii web : manual de autoinstruire*” Editura ASE , 2022. ISBN 9786063404092
- CLIM A., **TOMA Andrei**, Zota, R. D., CONSTANTINESCU, R. (2022). „*The Need for Cybersecurity in Industrial Revolution and Smart Cities*”. Sensors, 23(1), 120. ISSN: 1424-8220, <https://doi.org/10.3390/s23010120> factor de impact 0.976
- PANTELIMON, F.-V., BOLOGA R., **TOMA Andrei**, POSEDARU B.-S. „*The Evolution of AI-Driven Educational Systems during the COVID-19 Pandemic*”. Sustainability 2021, 13, 13501. <https://doi.org/10.3390/su132313501>, ISSN: 2071-1050, WOS:000734658900001, factor de impact 0.879
- POSEDARU B.-S., BOLOGA R., **TOMA Andrei**, PANTELIMON F.-V., Posedaru B.-S. „*The Influence of Covid-19 Pandemic on Online Retail Prices*”, Economic Computation and Economic Cybernetics Studies and Research, Issue 1/2022; Vol. 56, ISSN 1842-3264, WOS:000777438800018, AIS 0.132, P = 0.7392
- TOMA Andrei**, Radu Constantinescu, Mihai Pricope, Floarea Nastase – „*Dezvoltarea aplicatiilor RIA*”, Editura ASE, 2009, 203 pag, ISBN 978-606-505-290-1
- Andrei TOMA**, Radu CONSTANTINESCU, Floarea NASTASE, „*Recommendation system based on the clustering of frequent sets*” - WSEAS Transactions On Information Science And Applications , Volume 6, 2009, ISSN 1790-0832, pg. 715-724, ISI
- Andrei TOMA**, „*Consensus Moderation System*”, Informatică economică, Vol. 15 No. 3/2011, pag. 153-159, ISSN 1453-1305, CNCIS B+, Indexed in DOAJ, Copernicus, EBSCO, Google Scholar, Cabell, Ulrich
- A. TOMA**, „*Extracting location data and location description automatically*”, The 15th International Conference of Informatics in Economy Proceedings, Cluj-Napoca, 02 - 03 June 2016
- I. DOROBĂȚ, **A. TOMA**, „*BLENDED LEARNING IMPLEMENTATION - A ROMANIAN HEI CASE*” Proceedings of the 11th International Scientific Conference "eLearning and Software for Education" Bucharest, April 23 - 24, 2015
- „*Concept for a Collaborative Moderation System*”, Journal of Applied Collaborative Systems, nr.2, 2010, pag. 102 - 107, ISSN 2066-7450, Indexed in DOAJ, INSPEC, Copernicus, EBSCO, Google Scholar

2 Teza(-ele) de doctorat

T1. **TOMA Andrei**, „*Legal Implications of On-line Services*”, 2011

3 Cărți/cursuri publicate în edituri recunoscute(Ca1, Ca2 etc.), îndrumare publicate(I1, I2 etc.), capitole publicate în volume colective, capitole teoretice redactate, (D1, D2 etc.), după caz, prin care se aduc contribuții la dezvoltarea activităților didactice/profesionale.

Ca1. TOMA Andrei, „*Tehnologii web : manual de autoinstruire*” Editura ASE , 2022. ISBN 9786063404092

Ca2. TOMA Andrei, Radu Constantinescu, Mihai Pricope, Floarea Nastase – „*Dezvoltarea aplicatiilor RIA*”, Editura ASE, 2009, 203 pag, ISBN 978-606-505-290-1

D1. TOMA Andrei, „*Module 13 – Legislation of Informatics Security Systems*”, Ism Handbook, coord. Ion IVAN, Cristian TOMA, Editura ASE, 2006, pg.367-383, ISBN 9789735948405

4 Cărți de specialitate publicate în edituri recunoscute(Cb1, Cb2 etc.), **articole/studii** publicate in extenso în reviste de specialitate de circulație internațională recunoscute (reviste cotate ISI sau indexate în baze de date internaționale specifice domeniului)(Ri1, Ri2etc.), **articole/studii in extenso** publicate în volumele unor manifestări științifice internaționale recunoscute din țară și din străinătate (cu ISSN/ISBN)(Vi1,Vi2 etc.), precum și **alte lucrări similare**: articole/studii publicate in extenso în reviste de specialitate de circulație națională recunoscute CNCIS (Rn1, Rn2 etc.), articole/studii publicate in extenso în volumele unor manifestări științifice naționale (cu ISSN/ISBN)(Vn1,Vn2 etc.), lucrări prezentate la diferite seminarii/expoziții, inovații etc.(E1, E2 etc.), după caz, prin care se aduc contribuții la dezvoltarea domeniului.

Ri1 CLIM A., **TOMA Andrei**, Zota, R. D., CONSTANTINESCU, R. (2022). „*The Need for Cybersecurity in Industrial Revolution and Smart Cities*”. Sensors, 23(1), 120. ISSN: 1424-8220, <https://doi.org/10.3390/s23010120> factor de impact 0.976

Ri2 PANTELIMON, F.-V., BOLOGA R., **TOMA Andrei**, POSEDARU B.-S. „*The Evolution of AI-Driven Educational Systems during the COVID-19 Pandemic*”. Sustainability 2021, 13, 13501. <https://doi.org/10.3390/su132313501>, ISSN: 2071-1050, WOS:000734658900001, factor de impact 0.879

Ri3 POSEDARU B.-S., BOLOGA R., **TOMA Andrei**, PANTELIMON F.-V., Posedaru B.-S. „*The Influence of Covid-19 Pandemic on Online Retail Prices*”, Economic Computation and Economic Cybernetics Studies and Research, Issue 1/2022; Vol. 56, ISSN 1842–3264, WOS:000777438800018, AIS 0.132, P = 0.7392

Ri4 Andrei TOMA, Radu CONSTANTINESCU, Floarea NASTASE – “*Developing a Transaction Engine for Mobile Payment*” , Economy Informatics, nr 1/2011, pp. 72-79, ISSN 1582-7941, CNCSIS B+, Indexed in DOAJ, Copernicus, EBSCO, Google Scholar, Cabell, Ulrich

Ri5 Andrei TOMA, “*Consensus Moderation System*”, Informatică economică, Vol. 15 No. 3/2011, pag. 153-159, ISSN 1453-1305, CNCSIS B+, Indexed in DOAJ, Copernicus, EBSCO, Google Scholar, Cabell, Ulrich

Ri6 Andrei TOMA – “*An Approach Toward Open Collaborative Government*” , Open Source Science Journal, Vol. 2, No. 2, 2010, pag. 145 - 155, ISSN 2066-740X, Indexed in DOAJ, INSPEC, Copernicus, EBSCO, Google Scholar

Ri7 Andrei TOMA – “*Concept for a Collaborative Moderation System*” , Journal of Applied Collaborative Systems, nr.2, 2010, pag. 102 - 107, ISSN 2066-7450, Indexed in DOAJ, INSPEC, Copernicus, EBSCO, Google Scholar

Ri8 Andrei TOMA, Radu CONSTANTINESCU, Floarea NASTASE, “*Recommendation system based on the clustering of frequent sets*” - WSEAS Transactions On Information Science And Applications , Volume 6, 2009, ISSN 1790-0832, pg. 715-724, ISI

Ri8 Radu CONSTANTINESCU, **Andrei TOMA** – “*A Closer Look to the V-Model Approach for Role Engineering*” , WSEAS Transactions On Computers, Volume 8, 2009, pag. 1631-1640, ISSN 1109-2750, ISI

Ri10 Emanuil REDNIC, **Andrei TOMA** – “*Security Management in a Multimedia System*” , Journal of Applied Quantitative Methods, vol. 4, nr. 2,2009, pag. 237-247, ISSN 1842-4562, CNCSIS B+

Ri10 Andrei TOMA – “*Collaborative Search Engine Extension*” , Journal of Applied Collaborative Systems, nr.1, 2009, pag. 41-46, ISSN 2066-7450, Indexed in DOAJ, INSPEC, Copernicus, EBSCO, Google Scholar

Ri12 Andrei TOMA, Emanuil REDNIC – “*Implementing a Copyright Management System*” , Revista Informatica Economica nr 1/2009, pag. 108-116, ISSN1453-1305, CNCSIS B+

Ri13 Emanuil REDNIC, **Andrei TOMA** – “*Multimedia Flavor in Directory Service Environment*” , Informatica Economica nr 3/2009, pag. 59-66, ISSN1453-1305, CNCSIS B+

Ri14 Emanuil REDNIC, **Andrei TOMA** – “*Simple Skin Recognition with Oracle Intermedia*” , Bodybuilding Science Journal, vol. 2, no. 3, 2010, pag. 108-116, ISSN 2066-8007, Indexed in DOAJ, Copernicus, EBSCO, Google Scholar, Cabell, Ulrich

Ri15 Andrei TOMA, Gabriel IOAN – “*The Degree of Software Licenses Usage in Schools, High-Schools and Universities*” , Journal of Applied Quantitative Methods, vol. 1, nr. 1, 2006, pg. 51-57, ISSN 1842-4562, indexat DOAJ, CNCSIS B+

Vi1 Claudiu VINȚE, **Andrei TOMA**, Alexandru BĂRBULESCU, „*Exposing JMS-Based Trading SOA Messaging API to JS Web Clients*” -, 18th International Conference on INFORMATICS in ECONOMY. Education, Research and Business Technologies Proceedings, București, 2019, DOI:10.12948/ie2019.02.06

Vi2 A. TOMA, „*Extracting location data and location description automatically*”, The 15th International Conference of Informatics in Economy Proceedings, Cluj-Napoca, 02 - 03 June 2016

Vi3 I. DOROBĂȚ, A. TOMA, „*BLENDED LEARNING IMPLEMENTATION - A ROMANIAN HEI CASE*” Proceedings of the 11th International Scientific Conference "eLearning and Software for Education" Bucharest, April 23 - 24, 2015

Vi4 V. MOISĂ, A. TOMA, „*Web Technologies For A Learning Management System With Adaptive Course Navigation*” The 11th International Conference of Informatics in Economy” Proceedings, Bucharest, 25 - 28 April 2013, ISSN: 2247 –1480)

Vi5 A. TOMA, „*Software Architecture for a Consensus Moderation System*”, The 11th International Conference of Informatics in Economy” Proceedings pag. 523-527, Bucharest, 10-11 mai 2012, ISSN 2284-7472 ISSN-L 2247-1480

Vi6 Radu CONSTANTINESCU, **Andrei TOMA**, Floarea NASTASE, “*Architecturing a Financial Services Transaction Engine*”, W-SeDiS-S2: Service Based Applications, Tirana, 2011

Vi7 Mihai TANASE, Valentin CRISTEA, **Andrei TOMA**, Florin POP, Radu CONSTANTINESCU, “*SERAFIMO - integrated platform for financial transactions using common communication technologies available on the standard mobile phone*”, 18th International Conference on Control Systems and Computer Science Proceedings, Bucharest, 24-27 May, 2011,

Vi8 A. TOMA, Radu CONSTANTINESCU, Floarea NASTASE, “*Developing a Transaction Engine for Mobile Payment*”, The 10th International Conference of Informatics in Economy” Proceedings, Bucharest, 5-7 May, 2011, ISSN 2247-1480;

Vi9 Andrei TOMA, Radu CONSTANTINESCU, Razvan ZOTA, “*Enhancing Administrative Services through Document Models*”, KM-05 2010 „*Knowledge Management: Projects, Systems and Technologies*” Proceedings, Carol I National Defence University, Bucuresti, 12-13 November 2010, pag. 94 - 102, 2010, ISSN 2069-1920, Indexed by RePEc

Vi10 Emanuil REDNIC, **Andrei TOMA** – “*Security Management in a Multimedia System*” , The 9th International Conference of Informatics in Economy Proceedings, Bucharest, 7-8 May, 2009, pag. 850-855, 2009, ISBN 978-606-505-178-2

Vi11 Emanuil REDNIC, **Andrei TOMA** – “*Implementing Graphic Passwords in Directory Service Systems*” , 2nd International Conference on Security for Information Technology and Communication Proceedings, Bucharest, 19-20 November 2009, ISBN 978-606-505-283-3

Vi12 Radu CONSTANTINESCU, **Andrei TOMA**, Iuliana SCORTA, Floarea NASTASE, Razvan ZOTA, “*V-Model Approach for Role Engineering*” , 13th WSEAS International Conference on Computers Proceedings, Rhodes, Greece, 23-25 July 2009, pag. 148-152, 2009, ISBN 978-960-474-099-4, ISSN 1790-5109, ISI Proceedings

Vi13 Andrei TOMA, Radu CONSTANTINESCU, Floarea NASTASE – “*Recommendation System Based on the Clustering of Frequent Sets*” , 8th WSEAS AIKED 09 Proceedings, Cambridge, Anglia, 21-23 February 2009, pag. 343-347, 2009, ISBN 978-960-474-051-2, ISSN 1790-5109, ISI Proceedings

Vi14 Andrei TOMA – “*Copyright Management Information*” , volume of the 6th International young researcher’s symposium, pag. 334-345, ISBN 978-9975-75-415-6, April 2008

Vi15 E REDNIC, A TOMA, A APOSTU „*Organize distributed work environments in a game-like fashion*” Recent Advances in Knowledge Engineering and Systems Science, 213-218

5. Citări ale lucrărilor publicate: referința bibliografică a lucrării citate(Ci1, Ci2) și referința / ele bibliografică / e a / ale lucrării care citează (Ci1.1, Ci1.2....., Ci2.1, Ci2.2, etc.)

Ci1 CLIM A., **TOMA Andrei**, Zota, R. D., CONSTANTINESCU, R. (2022). "*The Need for Cybersecurity in Industrial Revolution and Smart Cities*". Sensors, 23(1), 120. ISSN: 1424-8220, <https://doi.org/10.3390/s23010120> factor de impact 0.976

Ci1.1 Arghittu, Antonella, Ginevra Balletto, and Marco Dettori. "Smart City and Well-Being: Opinions by the Guest Editors." Urban Science 7.1 (2023): 28. <https://doi.org/10.3390/urbansci7010028>

Ci1.2 Santamaría, Pablo, et al. "Smart Contracts for Managing the Chain-of-Custody of Digital Evidence: A Practical Case of Study." Smart Cities 6.2 (2023): 709-727. <https://doi.org/10.3390/smartcities6020034>

Ci1.3 Antonella, Arghittu, Ginevra Balletto, and Dettori Marco. "Smart City and Well-Being: Opinions by the Guest Editors." URBAN SCIENCE (2023).

Ci2 PANTELIMON, F.-V., BOLOGA R., **TOMA Andrei**, POSEDARU B.-S., „*The Evolution of AI-Driven Educational Systems during the COVID-19 Pandemic*”. Sustainability 2021, 13, 13501. <https://doi.org/10.3390/su132313501>, ISSN: 2071-1050, WOS:000734658900001, factor de impact 0.879

Ci2.1 Soliman, Mohammad, et al. "Exploring the Major Trends and Emerging Themes of Artificial Intelligence in the Scientific Leading Journals amidst the COVID-19 Era." Big Data and Cognitive Computing 7.1 (2023): 12.

Ci2.2 AIDhaen, Fatema. "The Use of Artificial Intelligence in Higher Education–Systematic Review." COVID-19 Challenges to University Information Technology Governance (2022): 269-285.

Ci2.3 Abdellatif, Hussein, et al. "Teaching, Learning and Assessing Anatomy with Artificial Intelligence: The Road to a Better Future." International Journal of Environmental Research and Public Health 19.21 (2022): 14209.

Ci2.4 Ahmad, Sayed Fayaz, et al. "Leading Edge or Bleeding Edge: Designing a Framework for the Adoption of AI Technology in an Educational Organization." Sustainability 15.8 (2023): 6540.

Ci2.5 Lee, Donghwa, Hong-hyeon Kim, and Seok-Hyun Sung. "Development research on an AI English learning support system to facilitate learner-generated-context-based learning." Educational technology research and development (2022): 1-38.

Ci2.6 Mallik, Sruti, and Ahana Gangopadhyay. "Proactive and Reactive Engagement of Artificial Intelligence Methods for Education: A Review." arXiv preprint arXiv:2301.10231 (2023).

Ci2.7 Atencio, Bernardo Clímaco Hermitaño, and Raúl Delgado Arenas. "Factores que afectan la participación activa de estudiantes universitarios en clases remotas en el contexto de la pandemia COVID-19: El caso de la UNE." Apuntes Universitarios 12.3 (2022): 465-479.

Ci2.8 Taherdoost, Hamed, and Mitra Madanchian. "Employment of Technological-Based Approaches for Creative E-Learning; Teaching Management Information Systems." Procedia Computer Science 215 (2022): 802-808.

Ci2.9 Diyer, Okacha, Naceur Achaich, and Khalid Najib. "Assessment of Scientific Learning Skills Based on Artificial Intelligence." 2022 2nd International Conference on Innovative Research in Applied Science, Engineering and Technology (IRASET). IEEE, 2022.

Ci2.10 Rodrigues, Thales BSF, et al. "Towards Interpretability of Attention-Based Knowledge Tracing Models." Anais do XXXIII Simpósio Brasileiro de Informática na Educação. SBC, 2022.

Ci2.11 BANSOD, PV. "This site helps young researchers to upload small scale research articles. The purpose of the articles are only academic to motivate researchers to further research. The articles are not peer reviewed. I have started interviews with great researchers of management, social sciences, Social works, Economics, psychology etc. I have also started showing data analysis techniques in these videos. To view these short videos, click on the following link and subscribe for future videos <https://www.youtube.com>"

Ci3 **Andrei TOMA**, Radu CONSTANTINESCU, Floarea NASTASE, "*Recommendation system based on the clustering of frequent sets*" - WSEAS Transactions On Information Science And Applications , Volume 6, 2009, ISSN 1790-0832, pg. 715-724, ISI

Ci3.1 Kanetkar, Salil, et al. "Web-based personalized hybrid book recommendation system." 2014 International Conference on Advances in Engineering & Technology Research (ICAETR-2014). IEEE, 2014.

Ci3.2 Bundasak, Supaporn. "A healthy food recommendation system by combining clustering technology with the weighted slope one predictor." 2017 International Electrical Engineering Congress (iEECON). IEEE, 2017.

Ci3.3 Chandran, T. Ravi, A. V. Reddy, and B. Janet. "A social spider optimization approach for clustering text documents." 2016 2nd International Conference on Advances in Electrical, Electronics, Information, Communication and Bio-Informatics (AEEICB). IEEE, 2016.

Ci3.4 Vora, Bhrantav, N. J. Patel, and N. N. Jani. "based product automated recommendation system in E-commerce using improved Frequent Pattern Mining and Artificial Intelligence." International Journal Of Research In Electronics And Computer Engineering 6.2 (2021): 1331-1336.

Ci3.5 Shalita, Alon Michael, Sergey Pupyrev, and Igor Kabiljo. "Social signature." U.S. Patent No. 10,616,353. 7 Apr. 2020.

Ci3.6 Parekh, Parth, et al. "Web based hybrid book recommender system using genetic algorithm." International Research Journal of Engineering and Technology 5.8 (2018): 1536-1539.

Ci3.7 Walid Ghobar, Enio. "Un sistema de recomendación basado en perfiles generados por agrupamiento y asociaciones." (2018).

Ci3.8 Yetgin, Zeki, and Furkan Gözükar. "New metrics for clustering of identical products over imperfect data." Turkish Journal of Electrical Engineering and Computer Sciences 23.4 (2015): 1195-1208.

Ci3.9 Wu, J., et al. "Improvement of Recommendation List Effectiveness Using Familiarity." NAUN International Journal of Systems Engineering, Applications and Development 7.1 (2013): 22-32.

Ci3.10 Mapkar, Saima, ASHA RANA, and Priyanka Patil Guide. Personalized Book Recommendation with Hybrid approach. ST. FRANCIS INSTITUTE OF TECHNOLOGY, 2018.

Ci4 Radu CONSTANTINESCU, **Andrei TOMA** – “A Closer Look to the V-Model Approach for Role Engineering”, WSEAS Transactions On Computers, Volume 8, 2009, pag. 1631-1640, ISSN 1109-2750, ISI

Ci4.1 Ueda, Eduardo Takeo, and Wilson Vicente Ruggiero. "A systematic mapping on the role-permission relationship in role based access control models." IEEE Latin America Transactions 10.1 (2012): 1243-1250.

Ci5 POSEDARU B.-S., BOLOGA R., **TOMA Andrei**, PANTELIMON F.-V., Posedaru B.-S. „The Influence of Covid-19 Pandemic on Online Retail Prices”, Economic Computation and Economic Cybernetics Studies and Research, Issue 1/2022; Vol. 56, ISSN 1842–3264, WOS:000777438800018, AIS 0.132, P = 0.7392

Ci5.1 Semenchenko, Nataliia. "Economic Cybernetics: Development Paradigm and Global Modeling in the Modern World."

Ci6 Emanuil REDNIC, **Andrei TOMA** – “Security Management in a Multimedia System”, Journal of Applied Quantitative Methods, vol. 4, nr. 2,2009, pag. 237-247, ISSN 1842-4562, CNCSIS B+

Ci6.1 Taniar, David, et al. "Spatial network rnn queries in gis." The Computer Journal 54.4 (2011): 617-627.

Ci6.2 Kalaivani, K. "An efficient watermarking scheme for medical data security with the aid of neural network." Brazilian Archives of Biology and Technology 59 (2017).

Ci6.3 Kataria, Shaolin, et al. "IMAGE ENCRYPTION TECHNIQUES AND COMPARATIVE ANALYSIS." (2021).

Ci6.4 HERTELIU, Emanuel Eduard. "Implementing the PKP Project in Case of a Romanian Open Acces Journal-Journal of Applied Quantitative Methods." Open Source Science Journal 1.2 (2009): 147-167.

Ci7 Emanuil REDNIC, **Andrei TOMA** – “Simple Skin Recognition with Oracle Intermedia”, Bodybuilding Science Journal, vol. 2, no. 3, 2010, pag. 108-116, ISSN 2066-8007, Indexed in DOAJ, Copernicus, EBSCO, Google Scholar, Cabell, Ulrich

Ci7.1 Mohammed, Hind Rostom. "Random segmentation blocks algorithm for Gout Skin Detection and recognition." i-Manager's Journal on Software Engineering 5.1 (2010): 23.

Ci8 **Andrei TOMA**, “Consensus Moderation System”, Informatică economică, Vol. 15 No. 3/2011, pag. 153-159, ISSN 1453-1305, CNCSIS B+

Ci8.1 Mazor, Joseph. "On environmental justice, Part II: non-absolute equal division of rights to the natural world." Economics & Philosophy (2022): 1-29.

etc.

Notă

- (1) Fiecare lucrare este prezentată, în limba în care a fost publicată/expusă, corespunzător structurii “ I, II, III, IV, V, VI, VII ”, unde: I este indicativul (T1, T2 etc.; Ca1, Ca2 etc.; ...), care se scrie “bold” la lucrările realizate după acordarea ultimului titlu didactic/grad profesional(**Ca1, I1** etc., după caz); II - autorii în ordinea din publicație, cu scriere “bold” a **candidatului**; III – *titlul*, scris “italic”; IV - editura sau revista sau manifestarea și/sau alte elemente de localizare, după caz; V - intervalul de pagini din publicație, respectiv, pp ...-..., numărul total de pagini, respectiv, ... pg., sau alte date similare, după caz; VI - anul sau perioada de realizare, după caz.; VII – ISSN (pentru reviste) sau ISBN (pentru cărți, manuale, tratate, volumele unor manifestări științifice, etc).
- (2) În cadrul fiecărui grup de lucrări (Ca1, Ca2 etc.; I1, I2 etc. ; ...), lucrările sunt în ordine invers cronologică.