

- 2008 – 2014 **Şef de lucrări titular**
 Universitatea „Politehnica” din Bucureşti, Facultatea de Electronică, Telecomunicaţii şi Tehnologia Informaţiei, Departamentul de Electronică Aplicată şi Ingineria Informaţiei
 ▪ Conducere cursuri şi laboratoare de programarea calculatoarelor (limbajul C/C++) şi prelucrarea semnalelor multidimensionale (imagini/video)
Sector Activităţi didactice şi de cercetare ştiinţifică
- 2006 – 2007 **ATER - Attaché Temporaire d'Enseignement et de la Recherche**
 Université de Savoie, Polytech'Savoie
 ▪ Conducere de seminarii şi laboratoare de prelucrare de semnal, prelucrare de imagini, vedere asistată de calculator şi programare obiect orientată
Sector Activităţi didactice şi de cercetare ştiinţifică
- 2005 – 2006 **Cadru didactic suplinitor (vacataire)**
 Université de Savoie, ESIA - Ecole Supérieure d'Ingénieurs d'Annecy
 ▪ Conducere de seminarii şi laboratoare de prelucrare de semnal
Sector Activităţi didactice şi de cercetare ştiinţifică

EDUCAŢIE ŞI FORMARE

- 2014 – prezent **Abilitare conducere doctorat (HDR)**
 Universitatea „Politehnica” din Bucureşti
 ▪ Încadrarea de teze de doctorat în domeniul inginerie electronică şi telecomunicaţii
- iulie 2012 **Cercetător invitat**
 University of Trento, Italia
 ▪ Activităţi de cercetare sisteme multimedia
- iunie – iulie 2012 **Curs de specializare**
 University of California -Berkeley, HDNCE, ECSH World Bank, Bucureşti, România
 ▪ Evaluating the Impact of Development Programs: Turning Promises into Evidence
- septembrie 2012 **Curs de specializare**
 Institute of Education, University of London, Institutul de Ştiinţe ale Educaţiei, Bucureşti, România
 ▪ Evidence Informed Policy and Practice in Education in Europe
- 2010 – 2013 **Studii postdoctorale**
 Universitatea „Politehnica” Bucureşti, Facultatea de Electronică, Telecomunicaţii şi Tehnologia Informaţiei, proiect POS-DRU EXCEL
 ▪ Prelucrare şi analiză multimedia
- septembrie 2008 **Cercetător invitat**
 University of Ottawa, Canada
 ▪ Activităţi de cercetare indexare imagini
- aprilie 2008,
 iunie – iulie 2011,
 iunie 2012 **Cercetător invitat**
 Polytech'Savoie, Université de Savoie, Franţa
 ▪ Activităţi de cercetare indexare imagini/supraveghere video



- 2004 – 2007 **Doctor inginer**
 Université de Savoie, Polytech'Savoie, Annecy, Franța
 ▪ Electronică, electrotehnică, automată
- 2003 – 2007 **Doctor inginer ("magna cum laude")**
 Facultatea de Electronică, Telecomunicații și Tehnologia Informației, Universitatea „Politehnica” București
 ▪ Inginerie electronică și telecomunicații
- 2002 – 2003 **Diplomă de studii aprofundate**
 Facultatea de Electronică, Telecomunicații și Tehnologia Informației, Universitatea „Politehnica” București, lucrarea de dizertație realizată la laboratorul LISTIC, Université de Savoie, Annecy, Franța (derogare diploma DEA Université de Savoie)
 ▪ Electronică aplicată, specializarea ingineria sistemelor de calcul
- 1997 – 2002 **Inginer electronist**
 Facultatea de Electronică, Telecomunicații și Tehnologia Informației, Universitatea „Politehnica” București, lucrarea de diplomă realizată la laboratorul LAMII, Université de Savoie, Annecy, Franța
 ▪ Electronică aplicată, specializarea : imagini, forme și inteligență artificială
- 1992 – 1997 **Diplomă de bacalaureat, titlu de analist programator Ministerul Educației și Cercetării din România**
 Liceul teoretic „Grigore Moisil” din București
 ▪ Informatică-matematică-fizică

APTITUDINI ȘI COMPETENȚE PERSONALE

Limba maternă Română

Limbi străine

	ÎNȚELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	Exprimare scrisă
Engleză	C2	C2	C2	C2	C1
Franceză	C1	C1	B2	B2	B2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Competențe de comunicare Mai mult de 18 ani de experiență de lucru în echipe naționale și internaționale

Competențe manageriale Mai mult de 11 ani de experiență de management proiecte de cercetare, grupuri de cercetare, comisii și institute/centre de cercetare (ce implică peste 200 de persoane)

Aptitudini digitale

AUTOEVALUARE				
Procesare informație	Comunicare	Creare de conținut	Securitate	Rezolvare probleme
Utilizator experimentat	Utilizator experimentat	Utilizator experimentat	Utilizator experimentat	Utilizator experimentat

Niveluri: Utilizator elementar - Utilizator independent - Utilizator experimentat
[Digital competences - Self-assessment grid](#)

Alte aptitudini Jucător amator de hochei (Torpedo București), chitară acustică și electrică



Permis de conducere

Permis auto categoria B, permis ambarcațiuni cu motor categoria D

INFORMAȚII SUPLIMENTARE

Publicare seturi de date adnotate

- 15 seturi de date adnotate lansate public, exemplu:
 - A.C. Jitaru, Ș. Abdulamit, B. Ionescu, "LRRo: A Lip Reading Data Set for the Under-resourced Romanian Language", ACM Multimedia Systems - MMSys, June 8-11, Istanbul, Turkey, 2020.
 - M. Rohm, B. Ionescu, A.L. Gînscă, R.L.T. Santos, H. Müller, "SubDiv17: A Dataset for Investigating Subjectivity in the Visual Diversification of Image Search Results", ACM Multimedia Systems - MMSys, June 12-15, Amsterdam, Netherlands, 2018.
 - Y. Deldjoo, M.G. Constantin, M. Schedl, B. Ionescu, P. Cremonesi, "MMTF-14K: A Multifaceted Movie Trailer Dataset for Recommendation and Retrieval", ACM Multimedia Systems - MMSys, June 12-15, Amsterdam, Netherlands, 2018.

Editoriale

- 15 editoriale, exemplu:
 - "Human Perception of Visual Information: Psychological and Computational Perspectives", Eds. B. Ionescu, W. Bainbridge, N. Murray, P. Le Callet, Springer Nature, 2021;
 - "Artificial Intelligence Fights Crime and Terrorism at a New Level", B. Ionescu, M. Ghenescu, F. Răstoceanu, R. Roman, M. Buric, IEEE MultiMedia, 27(2), pp. 55-61, ISSN: 1070-986X, DOI: 10.1109/MMUL.2020.2994403, ISI Impact Factor 4.96, Q1, 2020;
 - "Proceedings of the 2017 ACM on International Conference on Multimedia Retrieval", B. Ionescu, N. Sebe, J. Feng, M. Larson, R. Lienhart, C. Snoek, ACM DL, 2017.
 - "The Benchmarking Initiative for Multimedia Evaluation: MediaEval 2016", M. Larson, M. Soleymani, G. Gravier, B. Ionescu, G.J.F. Jones, IEEE MultiMedia, 24(1), ISSN: 1070-986X, 2017.
 - "Diversity and Credibility for Social Images and Image Retrieval", B. Ionescu, M. Lupu, M. Rohm, A.L. Gînscă, H. Müller, Eds. M. Larson, B. Thomee, ACM SIGMM Records, 3, 2017.

Cărți/capitole în cărți

- 21 cărți și capitole publicate în cărți, exemplu:
 - B. Ionescu et al., "Overview of the ImageCLEF 2020: Multimedia Retrieval in Medical, Lifelogging, Nature, and Internet Applications", in Springer Lecture Notes in Computer Science, 12260, CLEF 2020 Proceedings, September 22-25, Thessaloniki, Greece, 2020;
 - B. Ionescu et al., "ImageCLEF 2019: Multimedia Retrieval in Medicine, Lifelogging, Security and Nature", in Springer Lecture Notes in Computer Science, 11696, pp. 358-386, ISBN: 978-3-030-28576-0, 2019.
 - C.-H. Demarty, M. Sjöberg, M.-G. Constantin, N.Q.K. Duong, B. Ionescu, T.-T. Do, H. Wang, "Predicting Interestingness of Visual Content", in Visual Content Indexing and Retrieval with Psycho-Visual Models, pp. 233-265, Springer Multimedia Systems and Applications, ISBN: 978-3-319-57686-2, Eds. J. Benois-Pineau, P. Le Callet, 2017.
 - B. Ionescu et al., "Overview of ImageCLEF 2017: Information Extraction from Images", in Springer Lecture Notes in Computer Science, 10456, pp. 315-337, ISBN: 978-3-319-65812-4, 2017.

Articole în reviste

- 33 de articole în reviste, exemplu:
 - M.G. Constantin, L.-D. Ștefan, B. Ionescu, Q.-K.-N. Duong, C.-H. Demarty, M. Sjöberg "Visual Interestingness Prediction: A Benchmark Framework and Literature Review", International Journal of Computer Vision, ISI Impact Factor 5.7, 2021.
 - B. Ionescu, M. Rohm, B. Boteanu, A. Lucian Gînscă, M. Lupu, H. Muller, "Benchmarking Image Retrieval Diversification Techniques for Social Media", IEEE Transactions on Multimedia, ISI Impact Factor 5,5, Q1, 2020.
 - M.G. Constantin, L.-D. Ștefan, B. Ionescu, C.-H. Demarty, M. Sjöberg, M. Schedl, G. Gravier, "Affect in Multimedia: Benchmarking Violent Scenes Detection", IEEE Transactions on Affective Computing, ISI Impact Factor 6,3, Q1, 2020.
 - Y. Deldjoo, M.F. Dacrema, M.G. Constantin, H. Eghbal-Zadeh, S. Cereda, M. Schedl, B. Ionescu, P. Cremonesi, "Movie Genome: Alleviating New Item Cold Start in Movie Recommendation", Springer User Modeling and User-Adapted Interaction, pp. 1-53, ISI Impact Factor 3,4, Q1, 2019.
 - M.G. Constantin, M. Redi, G. Zen, B. Ionescu, "Computational Understanding of Visual Interestingness Beyond Semantics: Literature Survey and Analysis of Covariates", ACM Computing Surveys, 52(2), ISI Impact Factor 6,1, Q1, 2019.
 - I.C. Duță, J.R.R. Uijlings, B. Ionescu, K. Aizawa, A.G. Hauptmann, N. Sebe, "Efficient Human Action Recognition using Histograms of Motion Gradients and VLAD with Descriptor Shape Information", Springer Multimedia Tools and Applications, 76(21), pp. 22445-22472, ISSN: 1380-7501, ISI Impact Factor 2,1, Q2, 2017.
 - B. Boteanu, I. Mironică, B. Ionescu, "Pseudo-Relevance Feedback Diversification of Social Image Retrieval Results", Springer Multimedia Tools and Applications, 76(9), pp. 11889-11916, ISSN: 1380-7501, ISI Impact Factor 2,1, Q2, 2017.
 - N. Sarafianos, B. Boteanu, B. Ionescu, I.A. Kakadiaris, "3D Human Pose Estimation: A Review of

the Literature and Analysis of Covariates", Elsevier Computer Vision and Image Understanding, 152, pp. 1-20, ISSN: 1077-3142, ISI Impact Factor 2,6, Q1, 2016.

□ C. Tzelepis, Z. Ma, V. Mezaris, B. Ionescu, I. Kompatsiaris, G. Boato, N. Sebe, S. Yan, "Event-based Media Processing and Analysis: A Survey of the Literature", Elsevier Image and Vision Computing, 53, pp. 3-19, ISSN: 0262-8856, ISI Impact Factor 2,7, Q1, 2016.

□ I. Mironică, I.C. Duță, B. Ionescu, N. Sebe, "A Modified Vector of Locally Aggregated Descriptors Approach for Fast Video Classification", Springer Multimedia Tools and Applications, 75(15), pp. 9054-9072, ISSN: 1380-7501, ISI Impact Factor 2,1, Q2, 2016.

□ A.I. Purică, E.G. Mora, B. Pesquet-Popescu, M. Cagnazzo, B. Ionescu, "Multiview plus Depth Video Coding with Temporal Prediction View Synthesis", IEEE Transactions on Circuits and Systems for Video Technology, 26(2), pp. 360-374, ISSN: 1051-8215, ISI Impact Factor 4,0, Q1, 2016.

□ I. Mironică, B. Ionescu, J. Uijlings, N. Sebe, "Fisher Kernel Temporal Variation-based Relevance Feedback for Video Retrieval", Elsevier Computer Vision and Image Understanding, 143, pp. 38-51, ISSN: 1077-3142, ISI Impact Factor 2,6, Q1, 2016.

□ B. Ionescu, A. Popescu, A.-L. Radu, H. Müller, "Result Diversification in Social Image Retrieval: A Benchmarking Framework", Springer Multimedia Tools and Applications, 75(2), pp. 1301-1331, ISSN: 1380-7501, ISI Impact Factor 2,1, Q2, 2016.

Articole la conferințe

• 86 de articole la conferințe, exemplu:

□ M.G. Constantin, L.-D. Ștefan, B. Ionescu, "DeepFusion: Deep Ensembles for Domain Independent System Fusion", International Conference on Multimedia Modeling - MMM, June 22-24, Prague, Czech Republic, 2021.

□ L.-D. Ștefan, M.G. Constantin, B. Ionescu, "System Fusion with Deep Ensembles", ACM International Conference on Multimedia Retrieval - ICMR, October 26-29, Dublin, Ireland, 2020.

□ A.-M. Tăuțan, A.C. Rossi, R. de Francisco, B. Ionescu, "Automatic Sleep Stage Detection: A Study on the Influence of Various PSG Input Signals", IEEE International Conference on Engineering in Medicine and Biology - EMBC, July 20-24, 2020, Montréal, Québec, Canada, 2020.

□ Y. Deldjoo, M.G. Constantin, H. Eghbal-Zadeh, B. Ionescu, M. Schedl, P. Cremonesi, "Audio-visual Encoding of Multimedia Content for Enhancing Movie Recommendations", ACM Conference on Recommender Systems - RecSys, ISBN: 978-1-4503-5901-6, DOI: 10.1145/3240323.3240407, October 2-7, Vancouver, Canada, 2018.

□ I.C. Duță, B. Ionescu, K. Aizawa, N. Sebe, "Spatio-Temporal Vector of Locally Max Pooled Features for Action Recognition in Videos", Computer Vision and Pattern Recognition – CVPR, ISSN: 1063-6919, DOI: 10.1109/CVPR.2017.341, WOS: 000418371403030, July 21-26, Honolulu, Hawaii, 2017.

□ I.C. Duță, T.A. Nguyen, K. Aizawa, B. Ionescu, N. Sebe, "Boosting VLAD with Double Assignment using Deep Features for Action Recognition in Videos", IAPR International Conference on Pattern Recognition - ICPR, December 4-5, Cancun, Mexico, 2016.

□ A.I. Purică, M. Cagnazzo, B. Pesquet-Popescu, F. Dufaux, B. Ionescu, "View Synthesis based on Temporal Prediction via Warped Motion Vector Fields", IEEE International Conference on Acoustic, Speech and Signal Processing - ICASSP, March 20-25, Shanghai, China, 2016.

□ N. Rostamzadeh, J. Uijlings, I. Mironică, M.K. Abadi, B. Ionescu, N. Sebe, "Cluster Encoding for Modelling Temporal Variation in Video", IEEE International Conference on Image Processing - ICIP, September 27-30, Quebec City, Canada, 2015.

□ I. Mironică, I. Duță, B. Ionescu, N. Sebe, "Beyond Bag-of-Words: Fast Video Classification with Fisher Kernel Vector of Locally Aggregated Descriptors", IEEE International Conference on Multimedia and Expo - ICME, June 29 - July 3, Torino, Italy, 2015.

□ A.L. Gînscă, A. Popescu, B. Ionescu, A. Armagan, I. Kanellou, "Toward Estimating User Tagging Credibility for Social Image Retrieval", ACM International Conference on Multimedia - MM, November 3-7, Orlando, Florida, USA, 2014.

Competiții internaționale

• 24 de participări la competiții internaționale, exemplu:

□ M.G. Constantin, C. Kang, G. Dinu, F. Dufaux, G. Valenzise, B. Ionescu, "Using Aesthetics and Action Recognition-based Networks for the Prediction of Media Memorability", MediaEval Benchmarking Initiative for Multimedia Evaluation Workshop, ACM International Conference on Multimedia, October 27-29, Nice, France, 2019.

□ M. Dogariu, B. Ionescu, "Multimedia Lab @ ImageCLEF 2019 Lifelog Moment Retrieval Task", ImageCLEF Lifelog Task, CLEF, September 9-12, Lugano, Switzerland, 2019.

□ B. Boteanu, M.G. Constantin, B. Ionescu, "LAPI @ 2017 Retrieving Diverse Social Images Task: A Pseudo-Relevance Feedback Diversification Perspective", MediaEval Benchmarking Initiative for Multimedia Evaluation Workshop, September 11-14, Dublin, Ireland, 2017.

□ A. Toma, L.D. Ștefan, B. Ionescu, "UPB HES SO @ PlantCLEF 2017: Automatic Plant Image Identification using Transfer Learning via Convolutional Neural Networks", LifeCLEF Plant Task, CLEF, September 11-14, Dublin, Ireland, 2017.

□ I. Mironică, B. Ionescu, M. Sjöberg, M. Schedl, M. Skowron, "RFA at MediaEval 2015 Affective Impact of Movies Task: A Multimodal Approach", MediaEval Benchmarking Initiative for Multimedia Evaluation Workshop, 1436, September 14-15, Wurzen, Germany, 2015.

Recenzor reviste

- Buletinul Științific al Universității Politehnica din București (ISI);
- SPIE Journal of Electronic Imaging (ISI);
- SPIE Optical Engineering (ISI);
- IS&T Journal of Imaging Science & Technology (SPIE DL);
- IEEE Transactions on Image Processing (ISI);
- IEEE Transactions on Circuits and Systems for Video Technology (ISI);
- IEEE Transactions on Multimedia (ISI);
- IEEE Transactions on Pattern Analysis and Machine Intelligence (ISI);
- IEEE Transactions on Affective Computing (ISI);
- IEEE Transactions on Knowledge and Data Engineering (ISI);
- IEEE Access (ISI);
- IEEE Transactions on Neural Networks and Learning Systems (ISI);
- IEEE Journal of Selected Topics in Signal Processing (ISI);
- IEEE Signal Processing Letters (ISI);
- ACM Computing Surveys (ISI);
- ACM Transactions on Information Systems (ISI);
- ACM Transactions on the Web (ISI);
- ACM Multimedia Computing, Communications, and Applications (ISI);
- Springer Multimedia Tools and Applications (ISI);
- Springer Journal on Evolving Systems (ISI);
- Springer International Journal of Computer Graphics - The Visual Computer (ISI);
- Springer Journal of the Operational Research Society (ISI);
- Springer Multimedia Systems (ISI);
- Elsevier Information Processing & Management (ISI);
- Elsevier Journal of Visual Communication and Image Representation (ISI);
- Elsevier Computer Vision and Image Understanding (ISI);
- Elsevier Future Generation Computer Systems (ISI);
- IET Computer Vision (ISI);
- EURASIP Journal on Image and Video Processing (ISI).

Comitete științifice conferințe

- IEEE International Conference on Conversational Data & Knowledge Engineering - CDKE 2019.
- International Conference on Neural Information Processing Systems - NeurIPS, Competition Track, 2019-2020.
- IEEE International Conference on Artificial Intelligence and Virtual Reality - AIVR 2018 & 2019.
- European Signal Processing Conference - EUSIPCO 2012-2017.
- International Workshop on Content-Based Multimedia Indexing - CBMI 2012-2014, 2017.
- ACM International Conference on Multimedia - MM 2012 & 2014; workshop Community-Organized Multimedia Mining – MMCommons, MM 2015 & 2016.
- Grand Challenge on Event Detection and Summarization @ MM 2015.
- Competitions track, IEEE International Conference on Automatic Face and Gestures Recognition - FG 2020.
- Workshop on Information Fusion in Computer Vision for Concept Recognition, European Conference on Computer Vision - ECCV 2012.
- European Workshop on Visual Information Processing - EUVIP 2013, 2014 & 2016.
- MediaEval Benchmarking Initiative for Multimedia Evaluation 2013 & 2014.
- IEEE International Conference on Acoustics, Speech, and Signal Processing - ICASSP 2014.
- International Workshop on Social Media Retrieval and Analysis, ACM Special Interest Group on Information Retrieval - SIGIR 2014.
- IEEE International Conference on Image Processing, Theory, Tools and Applications - IPTA 2014-2017.
- Pacific-Rim Conference on Multimedia - PCM 2014 (outstanding reviewer award) & 2018.
- ACM International Conference on Multimedia Retrieval - ICMR 2015-2016 & 2018-2020, & International Workshop on Multimedia Artworks Analysis MMArt 2018.
- IEEE International Symposium on Signals, Circuits and Systems - ISSCS 2013 & 2015.
- International Conference on Knowledge and Systems Engineering - KSE 2015-2018.
- IEEE International Conference on Data Mining - ICDM 2015, workshop on Social Media Retrieval and Analysis.
- IEEE International Symposium on Multimedia - ISM 2015 & 2018-2019.
- IEEE International Conference on Multimedia & Expo - ICME 2016, 2017, 2019 & 2020, &

- International Workshop on Multimedia Artworks Analysis MMArt 2016-2017.
- International Conference on Multimedia Modeling - MMM 2017, 2019 & 2020.
- IEEE International Workshop on Multimedia Signal Processing - MMSP 2017, 2018 & 2019.
- ACM Multimedia Systems Conference - MMSys 2017 & 2019-2020.
- ACM International Conference on Intelligent User Interfaces - IUI 2018, & Workshop on Intelligent Music Interfaces for Listening and Creation - MILC 2018.
- ACM User Modeling, Adaptation and Personalization - UMAP 2018, 2019 & 2020.
- European Conference on Information Retrieval - ECIR 2019 & 2020.

Coordonare evenimente științifice

- general chair, CLEF Conference and Labs of the Evaluation Forum - CLEF 2021.
- co-organizer, Predicting Media Interestingness Task, MediaEval Benchmarking Initiative for Multimedia Evaluation 2016 – 2020.
- co-organizer, workshop on "Research and Innovation for Secure Societies", International Conference on Pattern Recognition - ICPR 2020.
- area chair, 28th ACM International Conference on Multimedia - MM 2020.
- co-organizer, Detection and Recognition of Hand Drawn Website UIs Task, ImageCLEF - Multimedia Retrieval in CLEF 2020.
- co-organizer, workshop on "Research and Innovation for Secure Societies", International Conference on Speech Technology and Human-Computer Dialogue - SpeD 2019.
- lead publicity chair, 27th ACM International Conference on Multimedia - MM 2019.
- area chair, Media Interpretation, 27th ACM International Conference on Multimedia - MM 2019.
- panelist, sesiune "AI, Data Science and the Future of Your Business", WeLoveDigital.forum 2018.
- co-organizer, workshop on "Research and Innovation for Secure Societies", International Conference on Communications - COMM 2018.
- co-organizer, Recommending Movies Using Content: Which content is key? Task, MediaEval Benchmarking Initiative for Multimedia Evaluation 2018.
- area chair, Multimedia and Vision, 26th ACM International Conference on Multimedia - MM 2018.
- co-organizer, Predicting Media Memorability Task, MediaEval Benchmarking Initiative for Multimedia Evaluation 2018.
- co-organizer, sesiune specială "Predicting User Perceptions of Multimedia Content", ACM International Conference on Multimedia Retrieval - ICMR 2018.
- co-organizer, Multimedia Information Processing for Personality and Social Networks Analysis Challenge și Workshop, International Conference on Pattern Recognition - ICPR 2018.
- demo co-chair, 16th IEEE/ACM International Workshop on Content-Based Multimedia Indexing - CBMI 2018.
- publicity co-chair, 13th IEEE International Workshop on Image, Video, and Multidimensional Signal Processing - IVMSPP 2018.
- lead organizer of the ImageCLEF - Multimedia Retrieval in CLEF 2017-2020.
- general chair for the ACM International Conference on Multimedia Retrieval - ICMR 2017.
- general chair for the 14th IEEE/ACM International Workshop on Content-Based Multimedia Indexing - CBMI 2016.
- lead organizer, Retrieving Diverse Social Images Task, MediaEval Benchmarking Initiative for Multimedia Evaluation 2013-2016 și co-organizer în 2017.
- co-organizer, Predicting Media Interestingness Task, MediaEval Benchmarking Initiative for Multimedia Evaluation 2016 – 2017.
- technical program co-chair, 13th IEEE/ACM International Workshop on Content-Based Multimedia Indexing - CBMI 2015.
- co-organizer, 1st & 2nd Workshop on Human-Centered Event Understanding from Multimedia, ACM International Conference on Multimedia - MM 2014-2015.
- co-organizer, Affect Task: Violent Scenes Detection, MediaEval Benchmarking Initiative for Multimedia Evaluation 2013-2015.
- poster co-chair, resources & recognition committee, MediaEval Benchmarking Initiative for Multimedia Evaluation 2014.
- local arrangements co-chair, IEEE International Conference on Image Processing - ICIP 2014.
- coordinator, sesiune panel "Future trends in events for media", Workshop on Event-based Media Integration and Processing, ACM International Conference on Multimedia - MM 2013.
- awards and sponsorship co-chair, MediaEval 2013 Multimedia Benchmark Workshop, ACM Multimedia 2013.
- co-organizer, Workshop on Event-based Media Integration and Processing, ACM International Conference on Multimedia - MM 2013.
- proceedings co-chair, ACM International Conference on Multimedia 2013.

- chair, simpozioane doctorale, POS-DRU European Structural Funds Programmes, University Politehnica of Bucharest, 2009-2013.
- co-organizer, workshop "Information Fusion in Computer Vision for Concept Recognition", European Conference on Computer Vision – ECCV 2012.
- co-organizer & co-chair, sesiune specială "Automatic Indexing of Internet Multimedia", International Workshop on Content-Based Multimedia Indexing - CBMI 2012.
- publication co-chair, 10th International Workshop on Content-Based Multimedia Indexing - CBMI 2012.
- local arrangements chair, 20th European Signal Processing Conference - EUSIPCO 2012.
- co-chair & co-organizer, workshop "Electronics, Telecommunications and Information Technology in the World and in Romania", Diaspora Conference on Higher Education and Scientific Research, UPB, 2010.

Proiecte de cercetare și strategice

- Am contribuit la 28 de proiecte naționale, internaționale și industriale, atât de cercetare cât și strategice, exemple:
 - 2020-2024: responsabil partener, AI4Media - A European Excellence Centre for Media, Society and Democracy, finanțat H2020, program ICT-48-2020, Towards a vibrant European network of AI excellence centres, buget total ~12.000.000 Euro.
 - 2020-2022: responsabil partener, GRAVI – Multisensory Artificial Intelligence System for Automatic Area Securing, finanțat de UEFISCDI, Axa PTE, buget total ~350.000 Euro.
 - 2020-2022: responsabil partener, SMARTRetail – Increasing Quality of Service and User Experience in Supermarkets via Artificial Intelligence Systems, finanțat de UEFISCDI, Axa PTE, buget total ~340.000 Euro.
 - martie 2020 - octombrie 2020: director de proiect, Keysight 1 - Machine Learning Techniques for Generating Network Traffic Data, finanțat de Keysight Technologies Romania, buget ~59.000 Euro.
 - august 2019 - decembrie 2019: director de proiect, Hana 2 - Financial Data Augmentation and Forecasting using Advanced AI Techniques, finanțat de Hana Institute of Technology, Republic of Korea.
 - august 2019 - decembrie 2019: director de proiect, Hana 1 - Machine Learning Techniques for the Processing and Analysis of Financial Data, finanțat de Hana Institute of Technology, Republic of Korea.
 - mai 2019 - decembrie 2019: manager proiect, NXP 1 - RISC V-based Hardware-Software System for Machine Learning Applications, finanțat de NXP Semiconductors Romania, buget total ~136.000 Euro.
 - 2017-2020 director de proiect, SPIA-VA – Technologies and Innovative Video Systems for Person Re-Identification and Analysis of Dissimulated Behavior, finanțat de UEFISCDI, Axa Soluții, contract 2SOL/2017, buget total ~2.200.000 Euro.
 - 2017-2018 director de proiect, SPOTTER - Real-time IP Camera-based Intelligent Video Surveillance Security System with DROP Retrieval, finanțat de UEFISCDI, Axa PED, buget total ~140.000 Euro.
 - 2016-2018 responsabil partener, UMETECH - University & Media Technology for Cultural Heritage, finanțare Erasmus+ CBHE, buget total ~900.000 Euro.
 - 2013-2016 responsabil partener, SCOUTER - Smart Video Surveillance System with Automatic Localization of Target Events, finanțate de UEFISCDI, Axa de inovare, buget total ~1.000.000 Euro.
 - 2012-2015 membru în echipa de management, CAMPUS - University Politehnica of Bucharest - Center for Advanced Research on Materials, Products and Innovative Processes, finanțare prin POS-CCE European Structural Funds, buget total ~14.000.000 Euro.
 - 2007-2009 director de proiect, Content-Based Semantic Retrieval of Video Documents, Application to Navigation, Research and Automatic Content Abstraction, finanțare CNCSIS, Axa RP, buget total ~110.000 Euro.
 - 2010-2013 asistent de proiect, RECOLAND, finanțare POS-CCE European Structural Funds, buget total ~1.200.000 Euro.

Participare la asociații de profil

- membru senior IEEE - Institute of Electrical and Electronics Engineers.
- membru SPIE - International Society Advancing an Interdisciplinary Approach to the Science and Application of Light.
- membru ACM - Association for Computing Machinery.
- membru EURASIP - European Association for Signal Processing.
- membru GDR-ISIS - Groupement de Recherche Information, Signal, Images et Vision, France.
- membru al Comisiei de Cercetare pentru Dezvoltare Creativă, Academia Oamenilor de Știință.
- membru fondator al Comisiei de Cercetare PRODUCTICA Dacia-Renault, Academia Oamenilor de Știință.

Cursuri realizate

- Programarea Calculatoarelor: Limbajul C (anul 1, licență).



- Structuri de Date și Algoritmi în Limbajul C (anul 1, licență).
- Tehnici Avansate de Prelucrarea și Analiza Imaginilor (anul 1, masterat).
- Tehnici de Prelucrare și Analiză Video – Indexarea după Conținut (anul 1, masterat).
- Știința Datelor și Învățare Automată (anul 1, masterat).
- Calibrarea Geometrică a Camerelor (anul 2, masterat).

