

## Lista completă de lucrări

### Lista lucrărilor considerate a fi cele mai relevante pentru realizările profesionale proprii

1. (Cb) Dascalu, M. (2014). Analyzing discourse and text complexity for learning and collaborating, *Studies in Computational Intelligence* (Vol. 534, pp. XIV, 279). Switzerland: Springer. DOI: 10.1007/978-3-319-03419-5. ISBN: 978-3-319-03418-8
2. (Ris) Dascalu, M., Trausan-Matu, S., McNamara, D.S., & Dessus, P. (2015). ReaderBench – Automated Evaluation of Collaboration based on Cohesion and Dialogism. *International Journal of Computer-Supported Collaborative Learning*, 10(4), 395–423. doi: 10.1007/s11412-015-9226-y [WOS:000365767900004, IF: 1.841, ISSN: 1556-1607]
3. (Vis) Dascalu, M., McNamara, D.S., Crossley, S.A., & Trausan-Matu, S. (2016). Age of Exposure: A Model of Word Learning. In *30th AAAI Conference on Artificial Intelligence* (pp. 2928–2934). Phoenix, AZ: AAAI Press. [DBLP, Category A+]
4. (Vis) Dascalu, M., Stavarache, L.L., Dessus, P., Trausan-Matu, S., McNamara, D.S., & Bianco, M. (2015). ReaderBench: The Learning Companion. In *17th Int. Conf. on Artificial Intelligence in Education (AIED 2015)* (pp. 915–916). Madrid, Spain: Springer. [ISI Proceedings, WOS:000365041100010, Category A]
5. (Vis) Dascalu, M., Trausan-Matu, S., Dessus, P., & McNamara, D.S. (2015). Dialogism: A Framework for CSCL and a Signature of Collaboration. In O. Lindwall, P. Häkkinen, T. Koschmann, P. Tchounikine & S. Ludvigsen (Eds.), *11th Int. Conf. on Computer-Supported Collaborative Learning (CSCL 2015)* (pp. 86–93). Gothenburg, Sweden: ISLS. [Google Scholar, Category A]
6. (Vis) Dascalu, M., Stavarache, L.L., Dessus, P., Trausan-Matu, S., McNamara, D.S., & Bianco, M. (2015). Predicting Comprehension from Students' Summaries. In *17th Int. Conf. on Artificial Intelligence in Education (AIED 2015)* (pp. 95–104). Madrid, Spain: Springer. [ISI Proceedings, WOS:000365041100155, Category A]
7. (Vis) Dascalu, M., Dessus, P., Bianco, M., & Trausan-Matu, S. (2014). Are Automatically Identified Reading Strategies Reliable Predictors of Comprehension? In S. Trausan-Matu, K. E. Boyer, M. Crosby & K. Panourgia (Eds.), *12th Int. Conf. on Intelligent Tutoring Systems (ITS 2014)* (pp. 456–465). Honolulu, USA: Springer. [ISI Proceedings, WOS:000343081600057, Category A]
8. (Vis) Dascalu, M., Dessus, P., Trausan-Matu, S., Bianco, M., & Nardy, A. (2013). ReaderBench, an environment for analyzing text complexity and reading strategies. In H. C. Lane, K. Yacef, J. Mostow & P. Pavlik (Eds.), *16th Int. Conf. on Artificial Intelligence in Education (AIED 2013)* (pp. 379–388). Memphis, USA: Springer. [Springer, Category A]
9. (Vis) Dascalu, M., Trausan-Matu, S., & Dessus, P. (2013). Cohesion-based analysis of CSCL conversations: Holistic and individual perspectives. In N. Rummel, M. Kapur, M. Nathan & S. Puntambekar (Eds.), *10th Int. Conf. on Computer-Supported Collaborative Learning (CSCL 2013)* (pp. 145–152). Madison, USA: ISLS. [Google Scholar, Category A]
10. (Vis) Dascalu, M., Rebedea, T., Trausan-Matu, S., & Armitt, G. (2011). PolyCAFe: Collaboration and utterance assessment for online CSCL conversations. In H. Spada, G. Stahl, N. Miyake & N. Law (Eds.), *9th Int. Conf. on Computer-Supported Collaborative Learning (CSCL 2011)* (pp. 781–785). Hong Kong, China: ISLS. [Google Scholar, Category A]

### I. TEZA DE DOCTORAT (T)

(T) Dascalu, M. (2013). *Analyzing Discourse and Text Complexity for Learning and Collaborating, Studies in Computational Intelligence*. (Doctoral dissertation), Cotutelle between University Politehnica of Bucharest and University Grenoble Alpes, Bucharest, Romania.

- Mențiunea *Excelent* – Universitatea Politehnica din București (Domeniul Calculatoare și tehnologia informației)
- Mențiunea *Tres honorable avec felicitations* - Universitatea Grenoble Alpes (Domeniul Științele educației)

### II. CĂRȚI PUBLICATE (C)

**Ca** – Cărți / cursuri (manuale) pentru uzul studenților, publicate în edituri recunoscute; **Cb** - Cărți de specialitate publicate în edituri recunoscute (autor, coautor, editor); **Cc** - Cărți publicate în alte edituri, cu ISBN.

- Cb1.** Dessus, P., Simon, J.-P., Dascalu, M., & Trausan-Matu, S. (2017). ReaderBench: Un outil d'aide à l'analyse de discussions philosophiques. In J.-P. Simon & M. Tozzi (Eds.), *Paroles de philosophes en herbe - Regards croisés de chercheurs sur une discussion sur la justice en CM2* (pp. 153–174). Grenoble, France: UGA Éditions.
- Cb2.** Dascalu, M. (2014). Analyzing discourse and text complexity for learning and collaborating, *Studies in Computational Intelligence* (Vol. 534, pp. XIV, 279). Switzerland: Springer. DOI: 10.1007/978-3-319-03419-5. ISBN: 978-3-319-03418-8
- Cb3.** Dascalu, M., Dessus, P., Bianco, M., Trausan-Matu, S., & Nardy, A. (2014). Mining texts, learner productions and strategies with ReaderBench. In A. Peña-Ayala (Ed.), *Educational Data Mining: Applications and Trends* (pp. 335–377). Switzerland: Springer. DOI: 10.1007/978-3-319-02738-8\_13. ISBN: 978-3-319-02737-1
- Cb4.** Trausan-Matu, S., Rebedea, T., & Dascalu, M. (2010). Analysis of discourse in collaborative learning chat conversations with multiple participants. In D. Tufis & C. Forascu (Eds.), *Multilinguality and Interoperability in Language Processing with Emphasis on Romanian* (pp. 313–330). Bucharest, Romania: Editura Academiei. ISBN: 978-973-27-1972-5

### III. ALTE MATERIALE PUBLICATE (I,D)

**I** - Culegeri și Îndrumare publicate (separate în edituri cu ISBN și în tipografia locale/de instituții sau de uz intern);

**D** - Alte lucrări publicate: capitole publicate în volume colective, capitole teoretice redactate, sisteme de laborator funcționale.

- I1.** Rebedea, T., Dascalu, M., & Trausan-Matu, S. (2016). *Proiectarea algoritmilor. O abordare practică* (pp. 125). Bucharest, Romania: Editura Politehnica Press.
- I2.** Chiru, C., Dascalu, M., Posea, V., Trausan-Matu, S. (2015), *Tehnologii Web Centrare pe Interacțiunea Om-Calculator* (pp. 138). Bucharest, Romania: Politehnica Press, ISBN 978-606-515-634-0 2015

#### IV. ARTICOLE / STUDII IN EXTENSO PUBLICATE (R,V)

**Ris** - Reviste de specialitate de circulație internațională recunoscute (cotate / indexate ISI Thomson Reuters, sau indexate în alte Baze de Date Internaționale - BDI specifice domeniului, care fac un proces de selecție a revistelor pe baza unor criterii de performanță); **Rio** – Alte reviste de specialitate de circulație internațională; **Rns** - Reviste de specialitate de circulație națională recunoscute de CNCIS. Se menționează Categoria CNCIS; **Rno** - Alte reviste de specialitate de circulație națională.

**Vis**- Volumele unor manifestări științifice internaționale recunoscute, organizate în țară și străinătate, indexate ISI Thomson Reuters sau indexate în alte Baze de Date Internaționale - BDI specifice domeniului, care fac un proces de selecție a publicațiilor pe baza unor criterii de performanță; **Vi** - Volumele unor manifestări științifice internaționale recunoscute, organizate în țară și străinătate; **Vn** - Volumele unor manifestări științifice naționale.

- Ris1.** Nistor, N., Trausan-Matu, S., Dascalu, M., Duttweiler, H., Chiru, C., Baltas, B., & Smeaton, G. (2015). Finding student-centered open learning environments on the internet: Automated dialogue assessment in academic virtual communities of practice. *Computers in Human Behavior*, 47(1), 119–127. ISSN: 0747-5632 [IF: 2.880, WOS:000351799600013]
- Ris2.** Dascalu, M., Trausan-Matu, S., McNamara, D.S., & Dessus, P. (2015). ReaderBench – Automated Evaluation of Collaboration based on Cohesion and Dialogism. *International Journal of Computer-Supported Collaborative Learning*, 10(4), 395–423. ISSN: 1556-1607 [IF: 2.200, WOS:000365767900004]
- Ris3.** Giovannella, C., Andone, D., Dascalu, M., Popescu, E., Rehm, M., & Roccasalva, G. (2015). Smartness of Learning Ecosystems and its bottom-up emergence in six European Campuses. *Interaction Design and Architecture(s) Journal – IxD&A*, 27, 79–92. ISSN: 1826-9745 [DBLP, WOS:000393561200006]
- Ris4.** Trausan-Matu, S., Dascalu, M., & Rebedea, T. (2014). PolyCAFe–automatic support for the polyphonic analysis of CSCL chats. *International Journal of Computer-Supported Collaborative Learning*, 9(2), 127–156. ISSN: 1556-1607 [IF: 2.200, WOS:000341087500002]
- Ris5.** Nistor, N., Baltas, B., Dascalu, M., Mihaila, D., Smeaton, G., & Trausan-Matu, S. (2014). Participation in virtual academic communities of practice under the influence of technology acceptance and community factors. A learning analytics application. *Computers in Human Behavior*, 34, 339–344. ISSN: 0747-5632 [IF: 2.880, WOS:000335630100040]
- Ris6.** Ciobanu, R.I., Dobre, C., Dascalu, M., Trausan-Matu, S., & Cristea, V. (2014). SENSE: A Collaborative Selfish Node Detection and Incentive Mechanism for Opportunistic Networks. *Journal of Network and Computer Applications*, 41, 240–249. ISSN: 1084-8045 [IF: 2.331, WOS:000335629300022]
- Ris7.** Oca, A.M. Montes de, Nistor, N., Dascalu, M., & Trausan-Matu, S. (2014). Designing Smart Knowledge Building Communities. *Interaction Design and Architecture(s) Journal – IxD&A*, 22, 9–21. ISSN: 1826-9745 [DBLP, Google Scholar]
- Ris8.** Giovannella, C., Dascalu, M., & Scaccia, F. (2014). Smart City Analytics: state of the art and future perspectives. *Interaction Design and Architecture(s) Journal – IxD&A*, 20, 72–87. ISSN: 1826-9745 [DBLP, Google Scholar]
- Rio1.** Emin, V., Hansen, C., Rodríguez-Triana, M.J., Wasson, B., Mor, Y., Dascalu, M., Ferguson, R., Pernin, J.-P. (2014). Towards teacher-led design inquiry of learning. *eLearning Papers on Learning Analytics and Assessment* (36). ISSN: 1887-1542 [Google Scholar]
- Rio2.** Bianco, M., Dessus, P., Nardy, A., Rémond, M., Lima, L., Dascalu, M., Oprescu, B., Trausan-Matu, S. (2013). Peut-on évaluer automatiquement les auto-explications lors de la lecture d'élèves de cycle 3? *A.N.A.E. - Approche Neuropsychologique des Apprentissages chez l'Enfant*, 123, 149-155. ISSN: 0999-792X [Google Scholar, HAL Archives]

- Rio3.** Dascalu, M., Trausan-Matu, S., & Dessus, P. (2010). Utterances assessment in chat conversations. *Research in Computing Science*, 46, 323–334. ISSN: 1870-4069 [Google Scholar]
- Rns1.** Toma, I., Andrioaie, I., Dascalu, M., & Trausan-Matu, S. (2016). Reading Space Secrets – A Serious Game Centered on Reading Strategies. *Revista Romana de Interactiune Om-Calculator*, 9(4), 269–284. [CNCSIS B+]
- Rns2.** Trausan-Matu, S., & Dascalu, M. (2015). Visualization of Polyphonic Voices Inter-animation in CSCL Chats. *Revista Romana de Interactiune Om-Calculator*, 8(4), 305–322. ISSN: 1843-4460 [CNCSIS B+]
- Rns3.** Stamati, D., Dascalu, M., & Trausan-Matu, S. (2015). Creativity stimulation in chat conversations through morphological analysis. *Scientific Bulletin, University Politehnica of Bucharest, Series C*, 77(4), 17–30. ISSN: 2286-3540 [CNCSIS B+]
- Rns4.** Oprescu, B., Dascalu, M., Trausan-Matu, S., Dessus, P., & Bianco, M. (2014). Automated Assessment of Paraphrases in Pupil's Self-Explanations. *Scientific Bulletin, University Politehnica of Bucharest, Series C*, 76(1), 31–44. ISSN: 2286-3540 [CNCSIS B+]
- Rns5.** Bardas, A., Dascalu, M., & Trausan-Matu, S. (2014). Modelarea, analiza și clasificarea conversațiilor în medii colaborative. *Revista Romana de Interactiune Om-Calculator*, 7(3), 209–224. ISSN: 1843-4460 [CNCSIS B+]
- Rns6.** Stavarache, L.L., Dascalu, M., Trausan-Matu, S., & Dessus, P. (2013). Analiza complexității manualelor școlare din sistemul de învățământ francez primar. *Revista Romana de Interactiune Om-Calculator*, 6(4), 339–356. ISSN: 1843-4460 [CNCSIS B+]
- Rns7.** Oprescu, B., Dascalu, M., Trausan-Matu, S., Rebedea, T., Dessus, P., & Bianco, M. (2012). Analiza automata a auto-explicatiilor. *Revista Romana de Interactiune Om-Calculator*, 5(2), 71–76. ISSN: 1843-4460 [CNCSIS B+]
- Rns8.** Lupan, D., Dascalu, M., Trausan-Matu, S., Rebedea, T., & Dessus, P. (2012). Analiza starilor emotionale induse de citirea unei stiri utilizand Analiza Semantica Latenta. *Revista Romana de Interactiune Om-Calculator*, 5(2), 103–106. ISSN: 1843-4460 [CNCSIS B+]
- Rns9.** Ciubuc, C., Dascalu, M., Trausan-Matu, S., & Rebedea, T. (2012). Formarea de echipe pe baza profilului psihologice. *Revista Romana de Interactiune Om-Calculator*, 5(2), 97–102. ISSN: 1843-4460 [CNCSIS B+]
- Rns10.** Rebedea, T., Dascalu, M., Trausan-Matu, S., Teodorescu, A., & Ene, A. (2011). PolyCAFE: Sistem avansat de evaluare a conversatiilor de tip chat bazat pe modelul polifonic. *Revista Romana de Interactiune Om-Calculator*, 4(3), 35–42. ISSN: 1843-4460 [CNCSIS B+]
- Rns11.** Dascalu, M., Trausan-Matu, S., Rebedea, T., Lupan, D., & Bobocescu-Kesikis, S. (2011). Concepte specifice dialogismului reliefate în evaluarea colaborării participanților unei discuții de tip chat. *Revista Romana de Interactiune Om-Calculator*, 4(3), 29–34. ISSN: 1843-4460 [CNCSIS B+]
- Rns12.** Trausan-Matu, S., Dascalu, M., Rebedea, T., & Gartner, A. (2010). Corpus de conversatii multi-participant si editor pentru adnotarea lui. *Revista Romana de Interactiune Om-Calculator*, 3(1), 53–64. ISSN: 1843-4460 [CNCSIS B+]
- Rns13.** Dascalu, M., Trausan-Matu, S., & Dessus, P. (2010). Evaluarea și sumarizarea automata a conversațiilor chat. *Revista Romana de Interactiune Om-Calculator*, 3(3), 95–100. ISSN: 1843-4460 [CNCSIS B+]
- Rns14.** Saracin, C.G., Saracin, M., Dascalu, M., & Lepar, A.M. (2009). Echo cancellation using the LMS algorithm. *Scientific Bulletin, University Politehnica of Bucharest, Series C*, 71(4), 167–174. ISSN: 2286-3540 [CNCSIS B+]

- Rns15.** Dascalu, M., & Trausan-Matu, S. (2009). Ch.A.M.P. – Sistem pentru evaluarea și modelarea contribuției participanților la un chat. *Revista Română de Interacțiune Om-Calculator*, 2(2), 131–146. ISSN: 1843-4460 [CNCSIS B+]
- Rns16.** Dascalu, M., Chioasca, E.V., & Trausan-Matu, S. (2008). ASAP – Sistem avansat de evaluare a participanților la un chat. *Revista Română de Interacțiune Om-Calculator*, 1(3), 105–112. ISSN: 1843-4460 [CNCSIS B+]
- Rno1.** Dascalu, M., Trausan-Matu, S., Rebedea, T., & Daniil, C. (2011). A Dialogic Model for Assessing the Collaboration and the Involvement of Chat Participants. *Annals of the Academy of Romanian Scientists, Series on Science and Technology of Information*, 4(1), 51–58.
- Rno2.** Dascalu, M., & Trausan-Matu, S. (2009). Ch.A.M.P. – A Program for Chat Modelling and Assessment. *Annals of the Academy of Romanian Scientists, Series on Science and Technology of Information*, 2(1), 95–106.
- Vis1.** Popescu, E., Dascalu, M., Becheru, A., Crossley, S. A., & Trausan-Matu, S. (2016). Predicting Student Performance and Differences in Learning Styles based on Textual Complexity Indices applied on Blog and Microblog Posts – A Preliminary Study. In 16th IEEE Int. Conf. on Advanced Learning Technologies (ICALT 2016) (pp. 184–188). Austin, Texas: IEEE. [ISI Proceedings, WOS:000392135700049]
- Vis2.** Giovannella, C., Andone, D., Dascalu, M., Popescu, E., Rehm, M., & Mealha, O. (2016). Evaluating the Resilience of the Bottom-up Extraction Method used to Benchmark the Smartness of University Campuses. In IEEE International Smart Cities Conference (ISC2) (pp. 1–5). Trento, Italy: IEEE. [ISI Proceedings, WOS:000392263700061]"
- Vis3.** Secui, A., Sirbu, M. D., Dascalu, M., Crossley, S. A., Ruseti, S., & Trausan-Matu, S. (2016). Expressing Sentiments in Game Reviews. In 17th Int. Conf. on Artificial Intelligence: Methodology, Systems, and Applications (AIMSA 2016) (pp. 352–355). Varna, Bulgaria: Springer. [ISI Proceedings, WOS:000389020000035]
- Vis4.** Mihaescu, M. C., Tanasie, A. V., Dascalu, M., & Trausan-Matu, S. (2016). Extracting Patterns from Educational Traces via Clustering and Associated Quality Metrics. In 15th Int. Conf. on Artificial Intelligence: Methodology, Systems, and Applications (AIMSA 2016) (pp. 109–118). Varna, Bulgaria: Springer. [ISI Proceedings, WOS:000389020000011]
- Vis5.** Balint, M., Dascalu, M., & Trausan-Matu, S. (2016). Classifying Written Texts through Rhythmic Features. In 15th Int. Conf. on Artificial Intelligence: Methodology, Systems, and Applications (AIMSA 2016) (pp. 121–129). Varna, Bulgaria: Springer. [ISI Proceedings, WOS:000389020000012]
- Vis6.** Balint, M., Dascalu, M., & Trausan-Matu, S. (2016). The Rhetorical Nature of Rhythm. In 15th Int. Conf. on Networking in Education and Research (RoEduNet) (pp. 48–53). Bucharest, Romania: IEEE. [ISI Proceedings, WOS:000390713800009]
- Vis7.** Tabara, M., Dascalu, M., & Trausan-Matu, S. (2016). Building a Semantic Recommendation Engine for News Feeds based on Emerging Topics from Tweets. In 15th Int. Conf. on Networking in Education and Research (RoEduNet) (pp. 54–58). Bucharest, Romania: IEEE. [ISI Proceedings, WOS:000390713800010]
- Vis8.** Crossley, S. A., Paquette, L., Dascalu, M., McNamara, D. S., & Baker, R. S. (2016). Combining Click-Stream Data with NLP Tools to Better Understand MOOC Completion. In 6th Int. Conf. on Learning Analytics & Knowledge (LAK '16) (pp. 6–14). Edingurgh, UK: ACM. [ISI Proceedings, WOS:000390844700002]
- Vis9.** Westera, W., van der Vegt, W., Bahreini, K., Dascalu, M., & van Lankveld, Giel. (2016). Software Components for Serious Game Development. In T. Connolly & L. Boyle (Eds.), 10th European Conf. on Games Based Learning (pp. 765–772). Paisley, Scotland: Reading UK. [ISI Proceedings,

WOS:000389514500095]

- Vis10.** Dascalu, M., Popescu, E., Becheru, A. Crossley, S., & Trausan-Matu, S. (2016). Predicting Academic Performance Based on Students' Blog and Microblog Posts. In 11th European Conference on Technology Enhanced Learning (EC-TEL 2016) (pp. 370–376). Lyon, France: Springer. [ISI Proceedings, WOS:000387730800029]
- Vis11.** Paraschiv, I. C., Dascalu, M., McNamara, D.S., & Trausan-Matu, S. (2016). Finding the Needle in a Haystack: Who are the most Central Authors within a Domain? In K. Verbert, M. Sharples & T. Klobucar (Eds.), 11th European Conference on Technology Enhanced Learning (EC-TEL 2016) (pp. 632–635). Lyon, France: Springer. [ISI Proceedings, WOS:000387730800079]
- Vis12.** Dascalu, M., Gîfu, D., & Trausan-Matu, S. (2016). What Makes your Writing Style Unique? Significant Differences Between Two Famous Romanian Orators. In N.-T. Nguyen, Y. Manolopoulos, L. Iliadis & B. Trawinski (Eds.), 8th Int. Conf. on Computational Collective Intelligence (ICCCI 2016) (pp. 143–152). Halkidiki, Greece: Springer. [ISI Proceedings, WOS:000387734300013]
- Vis13.** Paraschiv, I. C., Dascalu, M., Dessus, P., Trausan-Matu, S., & McNamara, D. S. (2015). A Paper Recommendation System with ReaderBench: The Graphical Visualization of Semantically Related Papers and Concepts. In Y. Li, M. Chang, M. Kravcik, E. Popescu, R. Huang, Kinshuk & N.-S. Chen (Eds.), 2nd International Conference on Smart Learning Environments (ICSLE) (pp. 443–449). Sinaia, Romania: Springer-Verlag Singapur. [ISI Proceedings, WOS:000389703400053]
- Vis14.** Nistor, N., Dascalu, M., Stavarache, L. L., Tarnai, C., & Trausan-Matu, S. (2015). Predicting Newcomer Integration in Online Knowledge Communities by Automated Dialog Analysis. In Y. Li, M. Chang, M. Kravcik, E. Popescu, R. Huang, Kinshuk & N.-S. Chen (Eds.), 2nd International Conference on Smart Learning Environments (ICSLE) (pp. 13–17). Sinaia, Romania: Springer-Verlag Singapur [ISI Proceedings, WOS:000389703400002]
- Vis15.** Dascalu, M., Stavarache, L.L., Dessus, P., Trausan-Matu, S., McNamara, D.S., & Bianco, M. (2015). Predicting Comprehension from Students' Summaries. In 17th Int. Conf. on Artificial Intelligence in Education (AIED 2015) (pp. 95–104). Madrid, Spain: Springer. [ISI Proceedings, WOS:000365041100010]
- Vis16.** Dascalu, M., Stavarache, L.L., Dessus, P., Trausan-Matu, S., McNamara, D.S., & Bianco, M. (2015). ReaderBench: The Learning Companion. In 17th Int. Conf. on Artificial Intelligence in Education (AIED 2015) (pp. 915–916). Madrid, Spain: Springer. [ISI Proceedings, WOS:000365041100155]
- Vis17.** Toma, I., Dascalu, M., & Trausan-Matu, S. (2015). Seeker: A Serious Game for Improving Cognitive Abilities. In 14th IEEE Int. Conf. RoEduNet (pp. 73–79). Craiova, Romania: IEEE. [ISI Proceedings, WOS:000374591200013]
- Vis18.** Steiner, C.M., Hollins, P., Kluijfhout, E., Dascalu, M., Nussbaumer, A., Albert, D., & Westera, W. (2015). Evaluation of Serious Games: A Holistic Approach. In 8th Int. Conf. of Education, Research and Innovation (ICERI 2015) (pp. 4334–4342). Seville, Spain: IATED. [ISI Proceedings, WOS:000377304004060]
- Vis19.** Stavarache, L.L., Dascalu, M., Trausan-Matu, S., & Nistor, N. (2015). Predicting the Integration of Newcomers in OKBCs based on Existing Members' Involvement. In 6th Int. Conf. on Information, Intelligence, Systems and Applications (IISA 2015) (pp. 1–5). Corfu, Greece: IEEE. [ISI Proceedings, WOS:000381572400101]
- Vis20.** Stavarache, L.L., Dascalu, M., Trausan-Matu, S., & Nistor, N. (2015). How Does Time Shape a Virtual Community of Practice? In I. Roceanu (Ed.), 4th Int. Workshop on Semantic and Collaborative Technologies for the Web, in conjunction with the 11th Int. Conf. on eLearning and Software for Education (eLSE 2015) (pp. 380–386). Bucharest, Romania: Carol I NDU Publishing House. [ISI Proceedings, WOS:000384469000056]
- Vis21.** Stavarache, L.L., Dascalu, M., Trausan-Matu, S., & Nistor, N. (2015). Topics Evolution in Online

- Knowledge Building Communities: A case study of cooking versus politics blogs. In 2nd Int. Workshop on Design and Spontaneity in Computer-Supported Collaborative Learning (DS-CSCL-2015), in conjunction with the 20th Int. Conf. on Control Systems and Computer Science (CSCS20) (pp. 765–772). Bucharest, Romania: IEEE. [ISI Proceedings, WOS:000380375200110]
- Vis22.** Paraschiv, I.C., Dascalu, M., Trausan-Matu, S., & Dessus, P. (2015). A Semantic Approach to Analyze Scientific Paper Abstracts. In I. Roceanu (Ed.), 4th Int. Workshop on Semantic and Collaborative Technologies for the Web, in conjunction with the 11th Int. Conf. on eLearning and Software for Education (eLSE 2015) (pp. 393–399). Bucharest, Romania: Carol I NDU Publishing House. [ISI Proceedings, WOS:000384469000058]
- Vis23.** Paraschiv, I.C., Dascalu, M., Trausan-Matu, S., & Dessus, P. (2015). Analyzing the Semantic Relatedness of Paper Abstracts - An Application to the Educational Research Field. In 2nd Int. Workshop on Design and Spontaneity in Computer-Supported Collaborative Learning (DS-CSCL-2015), in conjunction with the 20th Int. Conf. on Control Systems and Computer Science (CSCS20) (pp. 759–764). Bucharest, Romania: IEEE. [ISI Proceedings, WOS:000380375200109]
- Vis24.** Stavarache, L.L., Dascalu, M., Trausan-Matu, S., & Dessus, P. (2014). Papers vs. Slides: Do they have similar textual traits? In 3rd Int. Workshop on Semantic and Collaborative Technologies for the Web, in conjunction with the 10th Int. Conf. on eLearning and software for Education (pp. 187–192). Bucharest, Romania: Editura Universitatii Nationale de Aparare "Carol I". [ISI Proceedings, WOS:000357153000026]
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- Vi2.** Dessus, P., Bianco, M., Nardy, A., Toffa, F., Dascalu, M., & Trausan-Matu, S. (2012). Automated analysis of pupils' self-explanations of a narrative text. In E. de Vries & K. Scheiter (Eds.), Staging knowledge and experience, Meeting of the EARLI SIG 2 "Comprehension of Text and Graphics" (pp. 52–54). Grenoble, France: LSE, Pierre-Mendès-France University. [Google Scholar, <https://halshs.archives-ouvertes.fr/hal-00906940/>]
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- Vn3.** Dascalu, M., Trausan-Matu, S., Dessus, P., Bianco, M., & Nardy, A. (2013). ReaderBench, o platformă integrată pentru analiza complexității textuale și a strategiilor de lectură. In T. Stefanut & C. Rusu (Eds.), Conf. Nat. de Interacțiune Om-Calculator (RoCHI 2013) (pp. 39–46). Bucuresti, Romania: MatrixRom. [Google Scholar]
- Vn4.** Dascalu, M., Trausan-Matu, S., & Dessus, P. (2013). ReaderBench - Analiza bazată pe coeziune a implicării și a colaborării participanților în cadrul conversațiilor CSCL. In T. Stefanut & C. Rusu (Eds.), Conf. Nat. de Interacțiune Om-Calculator (RoCHI 2013) (pp. 57–64). Bucuresti, Romania: MatrixRom. [Google Scholar]

## V. BREVETE DE INVENȚIE / INOVAȚII (B,A)

**B** - Brevete de invenție; **A** - Inovații și alte creații.

- B1.** Patent published application: Dascalu, M., Ash, D. W. (WO2016043609) THREE-DIMENSIONAL LATENT SEMANTIC ANALYSIS, Pub. No.: WO/2016/043609, International

Application No.: PCT/RO2014/000024, Publication Date: 24.03.2016 International Filing Date: 18.09.2014, <https://patentscope.wipo.int/search/en/detail.jsf?docId=WO2016043609>

**A1.** PolyCAFE – sistem informatic dezvoltat în cadrul proiectului FP7 LTfLL

**A2.** ReaderBench (<http://readerbench.com/>) – sistem informatic dezvoltat în cadrul proiectului H2020 RAGE

## VI. CONTRACTE ȘI RAPOARTE ȘTIINȚIFICE (P,F)

**P** – Proiecte de cercetare-dezvoltare – inovare obținute prin competiție, pe bază de contract/grant, în țară/străinătate (**Pn** – naționale, **Pi** - internaționale); **F** – Alte lucrări de cercetare – dezvoltare

**Pi1.** H2020-ICT-2014/H2020-ICT-2014-1 No. 644187 RAGE — Realising an Applied Gaming Ecosystem. **Director de proiect.** Perioada de desfășurare: Februarie 2015 - Februarie 2019

**Pi2.** Erasmus+ ENeA-SEA: Higher Education - International Capacity Building Project, Project reference number 573651-EPP-1-2016-1-DE-EPPKA2-CBHE-JP. **Director de proiect.** Perioada de desfășurare: Octombrie 2016 - Octombrie 2019

**Pi3.** ERRIC: Empowering Romanian Research on Intelligent Information Technologies, FP7-REGPOT-2010-1, ID: 264207, Director: Prof.dr.ing. Adina Magda Florea (UPB), Pozitie in proiect: **Cercetător**, Perioada de desfășurare: Septembrie 2010 - August 2013

**Pi4.** ISCH COST Action IS1312 - Structuring Discourse in Multilingual Europe (TextLink); Pozitie in proiect: **Membru in Management Committee**; Perioada de desfășurare: Iulie 2014 - Aprilie 2018

**Pi5.** ISCH COST Action IS1310 - Reassembling the Republic of Letters, 1500-1800 A digital framework for multi-lateral collaboration on Europe`s intellectual history; Pozitie in proiect: **Membru supleant Management Committee**; Mai 2016 - Aprilie 2018

**Pi6.** ANR DEVCOMP (Développement humain et cognition, langage et communication). Director de proiect: Maryse Bianco, Pozitie in proiect: **Cercetător**, Perioada de desfășurare: Octombrie 2010 - Februarie 2014

**Pi7.** PC7 "LTfLL- Language Technologies for Lifelong Learning" No 212578. Director de proiect: prof.dr.ing. Stefan Trausan-Matu, Pozitie in proiect: **Cercetător**, Perioada de desfășurare: Martie 2008 - Februarie 2011

**Pn1.** P\_39\_405 HUB Tehnologic Inovativ bazat pe modele semantice si calcule de inalta performanta - HUBTECH. **Director de proiect.** Perioada de desfășurare: Septembrie 2016 - Septembrie 2018

**Pn2.** P\_40\_270 Ecosistem de cercetare, inovare și dezvoltare de produse și servicii TIC pentru o societate conectată la Internet of Things (NETIO). Director: prof.dr.ing. Adina Magda Florea (UPB). Pozitie in proiect: **Membru în echipa de management (Manager Operational)**. Perioada de desfășurare: Septembrie 2016 - Septembrie 2020

**Pn3.** Granturi interne de cercetare ale Universitatii Politehnica din Bucuresti, Programul UPB – GEX, contract nr. 12/26.09.2016. **Director de proiect.** Perioada de desfășurare: Septembrie 2016 - Septembrie 2017

**Pn4.** POSCCE PRECIS ID 1858/cod SMIS CSNR 48590 - Infrastructură de cercetare pentru dezvoltarea produselor, proceselor și serviciilor inovative inteligente. Director: prof.dr.ing. Adina Magda Florea (UPB). Pozitie in proiect: **Membru în echipa de management (Manager Operational)**. Perioada de desfășurare: Martie 2014 - Decembrie 2015

**Pn5.** POSDRU/159/1.5/S/134398 Knowledge - Dezvoltarea resurselor umane din cercetare doctorală și postdoctorală: motor al societății bazate pe cunoaștere. Manager de proiect: prof.dr.ing. Horia Iovu (UPB), Poziția în cadrul proiectului: **Cercetător postdoctorand**, Perioada de desfășurare: mai 2014 - decembrie 2015

- Pn6.** POSDRU/107/1.5/S/76909 ValueDoc - Valorificarea capitalului uman din cercetare prin burse doctorale. Manager proiect: Prof. dr. ing. Ecaterina Andronescu (UPB), Poziția în cadrul proiectului: **Cercetător doctorand**, Perioada de desfășurare: octombrie 2010 - septembrie 2013
- Pn7.** CNCISIS "K -Teams Analiza si suportul bazate pe cunostinte a interactiuni din echipele virtuale in contextul rezolvarii de probleme" cod CNCISIS 144. Director de proiect: prof.dr.ing. Stefan Trausan-Matu, Pozitie in proiect: **Cercetător**. Perioada de derulare: Februarie 2007 - Noiembrie 2008

## VII. COMUNICĂRI ȘTIINȚIFICE NEPUBLICATE (E)

E – Lucrări prezentate la diferite seminarii/expoziții, conferințe, etc.

- E1.** Dascalu, M., Allen, L. K., McNamara, D. S., & Trausan-Matu, S. (2016). Modeling Comprehension Processes via Automated Analyses of Dialogism. Paper presented at the ST&D, Kassel, Germany.
- E2.** Allen, L. K., Jacovina, M., Dascalu, M., Roscoe, R., Kent, K., Likens, A., & McNamara, D. S. (2016). Capturing the Writing Process: Keystroke Logging in a Writing Tutor. Paper presented at the ST&D, Kassel, Germany.
- E3.** Dessus, P., Bianco, M., Dascalu, M., & Trausan-Matu, S. (2013, 9-10 Sept.). Boucles, écarts et contradictions : Trois objets pour concevoir et utiliser des EPA. Symposium Les environnements personnels d'apprentissage du Colloque Réseau Education Formation (REF 2013). Genève.
- E4.** Dascalu, M., Trausan-Matu, S., & Dessus, P. (2013, Jan. 22). ReaderBench - Discourse Analysis Platform. Lig - MeTAH - Modèles et Technologies pour l'Apprentissage Humain. Grenoble, UJF, France.
- E5.** Dascalu, M., Dessus, P., Trausan-Matu, S., Bianco, M., & Nardy, A. (2013, April, 30). ReaderBench - an Environment for Analyzing Textual Complexity, Reading Strategies and Collaboration. Laboratoire des Sciences de l'Education. Grenoble, UPMF, France.
- E6.** Dascalu, M., Dessus, P., Bianco, M., Loiseau, M., & Trausan-Matu, S. (2013, 28 May). L'apport du TAL dans des environnements favorisant l'apprentissage auto-régulé. Journée EIAH & IA. Toulouse, France.
- E7.** Dascalu, M., Lupan, D., Trausan-Matu, S., & Dessus, P. (2012, May 31). Analyse automatique des états émotionnels consécutifs à la lecture d'articles de presse. Les 3e Rencontres du Pôle Grenoble Cognition. Grenoble, France.
- E8.** Trausan-Matu, S., & Dascalu, M. (2011, Nov. 22). PolyCAFe - A system for analyzing participation and collaboration in CSCL online chats [Research seminar]. Laboratoire des Sciences de l'Education. Grenoble, UPMF, France.

## OBSERVAȚII

- a) - În categoriile II, III și IV se includ numai lucrările deja publicate sau aflate în procesare în edituri, respectiv nu se includ lucrările în manuscris sau alte lucrări (comunicări, referate tematice, etc.). Articolele/studiile în curs de publicare, justificate cu documente, nu vor depăși 10% din total.
- b) Lucrările reeditate care nu includ contribuții noi ale candidatului și lucrarea de bază (inițială) se înregistrează sub același indicativ, precizându-se la fiecare numărul ediției.
- c) Articolele/studiile publicate în reviste sau volumele unor manifestări științifice, reluate de alte publicații, vor fi înregistrate o singură dată, la poziția inițială, cu menționarea reluărilor/reeditărilor.
- d) Recenziile/rezumatele unor lucrări, apărute în alte publicații, vor fi înregistrate la poziția lucrării inițiale, cu menționarea acestora (nu vor fi poziții separate).
- e) Fiecare lucrare este descrisă în limba în care a fost realizată (publicată, prezentată), titlul fiind scris italic
- f) Autorii vor fi prezentați, în totalitate, în ordinea din publicație, cu sublinierea **candidatului**.
- g) Se vor specifica editura, revista sau manifestarea și/sau alte elemente de localizare, cu menționarea intervalului de pagini din publicație, numărul total de pagini sau alte date similare (după caz), anul sau perioada de realizare.

03.05.2017

Conf.dr.ing. Mihai Dascălu

