

Associate Professor Mihai Dascălu, Ph.D.

Scientific Activity (2000-2016)

List of publications (2000-2016)

Monographs, book chapters (international publications)

Dascaľu, M. (2014). Analyzing discourse and text complexity for learning and collaborating, *Studies in Computational Intelligence* (Vol. 534). Cham, Switzerland: Springer.

Dascaľu, 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. 345–377). Cham, Switzerland: Springer.

Monographs, book chapters (national publications)

Rebedea, T., Dascaľu, M., & Trausan-Matu, S. (2016). *Proiectarea algoritmilor. O abordare practică*. Bucharest, Romania: Editura Politehnica Press.

Chiru, C., Dascaľu, M., Posea, V., & Trausan-Matu, S. (2015). *Tehnologii Web Centrate pe Interacțiunea Om-Calculator*. Bucharest, Romania: Politehnica Press.

Trausan-Matu, S., Rebedea, T., & Dascaľu, 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: Romanian Academy Press.

Articles in journals and conference proceedings (ISI indexed)

Nistor, N., Trausan-Matu, S., Dascaľu, M., Duttweiler, H., Chiru, C., Baltes, 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. doi: 10.1016/j.chb.2014.07.029

Giovannella, C., Andone, D., Dascaľu, 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.

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Trausan-Matu, S., Dascaľu, 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. doi: 10.1007/s11412-014-9190-y

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Ciobanu, R. I., Dobre, C., Dascaľu, M., Trausan-Matu, S., & Cristea, V. (2014). SENSE: A Collaborative Selfish Node Detection and Incentive Mechanism for Opportunistic

- Westera, Wim, van der Vegt, W., Bahreini, K., **Dascalu, M.**, & van Lankveld, G. (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.
- 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.
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- 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.
- 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.
- 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.
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List of scientific grants and research contracts (2000-2016)

International grants and contracts

H2020-ICT-2014/H2020-ICT-2014-1 No. 644187 RAGE – Realising an Applied Gaming Eco-system. Project Director on behalf of UPB. February 2015 - February 2019
Erasmus+ ENeA-SEA: Higher Education - International Capacity Building Project, Project reference number 573651-EPP-1-2016-1-DE-EPPKA2-CBHE-JP. Project Director on behalf of UPB. October 2016 - October 2019
ERRIC: Empowering Romanian Research on Intelligent Information Technologies, FP7-REGPOT-2010-1, ID: 264207. Researcher. September 2010 - August 2013
ISCH COST Action IS1312 - Structuring Discourse in Multilingual Europe (TextLink). Management Committee Member. July 2014 - April 2018
ISCH COST Action IS1310 - Reassembling the Republic of Letters, 1500-1800 A digital framework for multi-lateral collaboration on Europe`s intellectual history; Management Committee Substitute. May 2016 - April 2018
ANR DEVCOMP (Développement humain et cognition, langage et communication). Researcher. October 2010 - February 2014
PC7 "LTfLL- Language Technologies for Lifelong Learning" No 212578. Researcher. March 2008 - Februarie 2011

National grants and contracts

P_39_405 HUB Tehnologic Inovativ bazat pe modele semantice si calcule de inalta performanta - HUBTECH. Project Director on behalf of Research Technology S.R.L. September 2016 - September 2018
Granturi interne de cercetare ale Universitatii Politehnica din Bucuresti, Programul UPB – GEX, contract nr. 12/26.09.2016. Project Director. September 2016 - September 2017
P_40_270 Ecosistem de cercetare, inovare și dezvoltare de produse și servicii TIC pentru o societate conectată la Internet of Things (NETIO). Operational Manager. September 2016 - September 2020
POSCCE PRECIS ID 1858/cod SMIS CSNR 48590 - Infrastructură de cercetare pentru dezvoltarea produselor, proceselor și serviciilor inovative inteligente. Operational Manager. March 2014 - December 2015
POSDRU/159/1.5/S/134398 Knowledge - Dezvoltarea resurselor umane din cercetare doctorală și postdoctorală: motor al societății bazate pe cunoaștere. Postdoc Researcher. May 2014 - December 2015
POSDRU/107/1.5/S/76909 ValueDoc - Valorificarea capitalului uman din cercetare prin burse doctorale. PhD Researcher. October 2010 - September 2013
CNCSIS "K -Teams Analiza si suportul bazate pe cunostinte a interactiuni din echipele virtuale in contextul rezolvarii de probleme" cod CNCSIS 144. Researcher. February 2007 - November 2008