

Can Şerif Mekik

February 2, 2022

Department of Cognitive Science
Rensselaer Polytechnic Institute
110 8th St, Troy, NY, USA 12180
mekik@rpi.edu

EDUCATION

- 2022 **PhD**, Department of Cognitive Science, Rensselaer Polytechnic Institute, Troy, NY, USA.
- 2016 **M. Cog. Sc.**, Institute of Cognitive Science, Carleton University, Ottawa, ON, CAN.
- 2014 **Hon. B. Sc.**, Cognitive Science & Mathematics, University of Toronto, Toronto, ON, CAN.
- 2009 **French Baccalaureate**, Science stream, Lycée Charles de Gaulle, Ankara, TUR.

PUBLICATIONS

Journal Articles

- 2020 Sevi, S.; Mekik, C. S.; Blais, A.; Çakır, S. How do Turks abroad vote? *Turkish Studies*, 21(2), pp. 208-230. DOI: 10.1080/14683849.2019.1607311
- 2019 Mageau, M.; Mekik, C.; Sokalski, A.; Toivonen, I. Detecting Foreign Accents in Song. *Phonetica*, 76(6), pp. 429-447. DOI: 10.1159/000500187

Papers In Proceedings

- 2021 Mekik, C. Logic Programs as Executable Experimental Task Specifications. In *Proceedings of the 43rd Annual Conference of the Cognitive Science Society (CogSci-2021)*. Vienna, Austria: University of Vienna.
- 2018 Mekik, C.; Sun, R.; and Dai, D. Y. Similarity-based and Rule-based Reasoning in Raven's Matrices. In I. Juvina, J. Hout, and C. Myers (Eds.), *Proceedings of the 16th International Conference on Cognitive Modeling (ICCM-2018)*; pp. 76-82). Madison, WI: University of Wisconsin.
- 2018 Mekik, C.; Sun, R.; and Dai, D. Y. Similarity-Based Reasoning, Raven's Matrices, and General Intelligence. In Jérôme Lang (Ed.), *Proceedings of the Twenty-Seventh International Joint Conference on Artificial Intelligence (IJCAI-2018)*; 1576-1582).
- 2017 Mekik, C.; Sun, R.; and Dai, D. Y. Deep Learning of Raven's Matrices. In *Proceedings of the Fifth Annual Conference on Advances in Cognitive Systems (ACS-2017)*.

HONORS AND AWARDS

- 2017 Humanities, Arts and Social Sci. Fellowship (2 yrs), Rensselaer Polytechnic Institute.
- 2017 75th McKinney Writing Contest, Graduate Essay, Rensselaer Polytechnic Institute, 2nd Place.
- 2015 Hamlin Graduate Fellowship (1 yr), Carleton University.
- 2014 Departmental Scholarship (2 yrs), Institute of Cognitive Science, Carleton University.

INVITED TALKS

- 2020 Sun, R. and Mekik, C. *Clarion and Raven's Matrices*. Virtual International Symposium on Cognitive Architecture (VISCA 2020), June 4-5, 2020, online.

PODIUM PRESENTATIONS

- 2016 Mekik, C. and Singh, R. *Turkish disjunctions and the morphological realization of 'exh'*. Disjunction Days, June 2–3, 2016, ZAS Berlin, Berlin, Germany.
- 2015 Mageau, M., Mekik, C. and Wang, E. *Foreign accents in song and speech*. 2015 Ottawa Conference for Linguistics Undergraduates and Master's Students (OCLU+M 2015), December 5, 2015, University of Ottawa, Ottawa, ON.
- 2015 Mekik, C. S. *Covert Exhaustification and Turkish Disjunctive Phrases*. 8th Annual Toronto-Ottawa-Montreal Workshop on Semantics (TOM-8), April 11, 2015, Carleton University, Ottawa, ON.

POSTER PRESENTATIONS

- 2016 Mekik, C. and Vertolli, M. *Towards computer implementations of exh*. MIT Workshop on Exhaustivity 2016, September 10, 2016, Massachusetts Institute of Technology, Boston, MA.
- 2016 Mekik, C. and Vertolli, M. *Towards computer implementations of exh*. 9th Annual Toronto-Ottawa-Montreal Workshop on Semantics (TOM-9), April 23, 2016, McGill University, Montréal, QC.
- 2015 Mekik, C. S., Somers, S., Vertolli, M. O., Davies, J., Stewart, T. C. *Nimage: Using Visible Persistence to Constrain a Model of Visual Processing*. 25th Annual Meeting of the Canadian Society for Brain Behavior and Cognitive Science (CSBBCS-2015), June 5–7, 2015, Ottawa, ON.

DEPARTMENTAL PRESENTATIONS

- 2021 Mekik, C. *Progress on INQUIRY, a model of human response processes in the Raven's Matrices task in the Clarion cognitive architecture*. Department of Cognitive Science, Rensselaer Polytechnic Institute, Troy, NY.
- 2019 Mekik, C. *Towards a Clarion Model of Raven's Matrices*. Department of Cognitive Science, Rensselaer Polytechnic Institute, Troy, NY.
- 2018 Mekik, C. *A computational psychological model of Raven's Matrices*. Department of Cognitive Science, Rensselaer Polytechnic Institute, Troy, NY.
- 2017 Mekik, C. *A computational account of a general intelligence test: Synergy between artificial intelligence and psychometric testing*. Department of Cognitive Science, Rensselaer Polytechnic Institute, Troy, NY.
- 2017 Mekik, C. *A Deep Learning Model of Raven's Matrices: Promise and Progress*. Department of Cognitive Science, Rensselaer Polytechnic Institute, Troy, NY.
- 2016 Mekik, C. *Developing an Automated Evaluation Procedure for Artificial Imagination Systems*. Department of Cognitive Science, Rensselaer Polytechnic Institute, Troy, NY.
- 2016 Mageau, M. and Mekik, C. *Foreign accents in song and speech*. Institute of Cognitive Science, Carleton University, Ottawa, ON.

CODE & DATA

pyClarion, Creator & Maintainer

Open source Python library for the Clarion cognitive architecture.

TEACHING EXPERIENCE

McGill University

- 2021 Workshop Instructor, Data Visualization in Python.
- 2021 Workshop Instructor, Data Science with Python.

Rensselaer Polytechnic Institute

- 2021 Teaching Assistant, Introduction to Psychological Science.
- 2020 Teaching Assistant, General Psychology.
- 2020 Teaching Assistant, Cognition and the Brain & Behavioral Neuroscience.
- 2019 Teaching Assistant, Are Humans Rational?
- 2017 Teaching Assistant, Forensic Psychology.
- 2016 Teaching Assistant, Psychology and the Law.

Carleton University

- 2016 Teaching Assistant, Introduction to Cognitive Science.
- 2015 Teaching Assistant, Mysteries of the Mind.

RESEARCH EXPERIENCE

- 2020 Research Assistant for Ron Sun, Rensselaer Polytechnic Institute.
- 2017 Research Assistant for Ron Sun, Rensselaer Polytechnic Institute.
- 2015 Research Assistant for Raj Singh, Carleton University.

SERVICE TO PROFESSION

- 2021 Reviewer, Intl. Joint Conference on Artificial Intelligence.
- 2020 Reviewer, *Cambridge Handbook of Computational Cognitive Sciences*.
- 2020 Reviewer, *Neural Networks*.
- 2020 Reviewer, Cognitive Science Conference.
- 2019 Reviewer, *Neural Networks*.
- 2019 Reviewer, Cognitive Science Conference.
- 2017 Reviewer, *Neural Networks*.

EXTRACURRICULAR UNIVERSITY SERVICE

- 2013 Student Representative (Cog. Sci.), University College Council, U. of Toronto.
- 2013 Member, Budget Review Committee, Arts and Science Student Union, U. of Toronto.
- 2013 Treasurer, Cognitive Science and Artificial Intelligence Student Assoc., U. of Toronto.

ETHICS, INCLUSIVITY, AND LEADERSHIP TRAINING

2019 Professional Leadership Series, Rensselaer Polytechnic Institute.

AFFILIATIONS TO PROFESSIONAL SOCIETIES

Graduate Student Member, Cognitive Science Society.

Graduate Student Affiliate, Association for Psychological Science.

SOFTWARE & PROGRAMMING LANGUAGES

Python (expert)

LaTeX (advanced)

Stata (advanced)

R (advanced)

Prolog (intermediate)

Racket (intermediate)

Java (basic)

LANGUAGES

Turkish (native)

English (native)

French (fluent)

German (basic)