PROMOTION RECOMMENDATION
The University of Michigan
College of Engineering
Department of Electrical Engineering and Computer Science

Jason J. Corso, associate professor of electrical engineering and computer science, with tenure, Department of Electrical Engineering and Computer Science, College of Engineering, is recommended for promotion to professor of electrical engineering and computer science, with tenure, Department of Electrical Engineering and Computer Science, College of Engineering.

Academic Degrees:

Ph.D.	2006	The Johns Hopkins University, Computer Science, Baltimore, MD
M.S.	2002	The Johns Hopkins University, Computer Science, Baltimore, MD
B.S.	2000	Loyola College, Computer Science, Baltimore, MD

Professional Record:

2016 – present	Co-Founder and Principal, Business and Technical Lead, Voxel51, Ann Arbor, MI
2014 – present	Associate Professor (with tenure), Department of Electrical Engineering and Computer Science, University of Michigan
2013 – 2014	Associate Professor, Computer Science and Engineering, State University of New York, Buffalo, NY
2007 – 2013	Assistant Professor, Computer Science and Engineering, State University of New York, Buffalo, NY
2006 – 2007	Post-Doctoral Fellow, Neuroscience and Statistics, University of California, Los Angeles, CA,
2005 – 2006	Post-Doctoral Fellow, Radiological Science and Statistics, University of California, Los Angeles, CA,

Summary of Evaluation:

Teaching: Professor Corso's teaching record since joining Michigan is good. He has taught five different courses at Michigan: two special-topics graduate courses, his new course (EECS504, Foundations of Computer Vision), Advanced Computer Vision (EECS542), and undergraduate Computer Vision (EECS 442). His teaching evaluations have steadily improved, with Q1 and Q2 averaging 4.21 and 4.15, respectively. Professor Corso has graduated 11 Ph.D. students (one of which he co-advised) and has supervised 15 masters students and four post-doctoral researchers.

Research: Professor Corso's research record is very strong in all respects. His expertise lies in the field of computer vision, focusing on video understanding to enable visually informed decision-making. He has established an excellent international reputation in the computer vision field through his scholarship and leadership. His h-index and citation count (33 and over 5200 per Google Scholar) are very strong. He maintains a large research program, funded by a diverse

set of sources (NSF, NIH, NIST, ARO, DARPA, IARPA, US Army TARDEC, Toyota, Google, and Samsung). He is a leader in the computer vision community at Michigan and has launched several funded collaborations with other College of Engineering faculty.

Recent and Significant Publications:

C. Xiong, D. Johnson, and J. Corso, "Active Clustering with Model-Based Uncertainty Reduction," *IEEE Transactions on Pattern Analysis and Machine Intelligence*, 39, 5-17, 2017.

Y. Yan, C. Xu, D. Cai, J. Corso, "Weakly Supervised Actor-Action Segmentation via Robust Multi-Task Ranking," *2017 IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 1022-1031, 2017.

R. Szeto and J. Corso, "Click Here: Human-Localized Keypoints as Guidance for Viewpoint Estimation," *2017 IEEE International Conference on Computer Vision (ICCV),* 1604-1613, 2017.

R. Xu X. Xiong, W. Chen and J. Corso, "Jointly Modeling Deep Video and Compositional Text to Bridge Vision and Language in a Unified Framework," *Proceedings of the Twenty-Ninth AAAI Conference on Artificial Intelligence,* 2346-2352, 2017.

C. Xu and J. Corso, "LIBSVX: A Supervoxel Library and Benchmark for Early Video Processing," *International Journal of Computer Vision*, 119, 272–290, 2016.

Service: Externally, Professor Corso serves as the area chair for leading computer vision conferences and organizer of workshops at these conferences. He was the general chair for the Midwest Computer Vision Workshop. His UM service includes executive committee of the Robotics Institute, as a member of several CE and ECE committees, and as the graduate advisor for the Computer Vision area in ECE. In addition to his official service assignments, Professor Corso has been a dedicated and effective promoter of computer vision at Michigan. He founded and secured external funding for the Computer Vision Seminar Series and has been the leader in ECE's effort to recruit computer vision faculty.

External Reviewers:
Reviewer A: "Jason is a top senior researcher in the field of computer vision, with specific impact in the area of video understanding…Jason has been a leading figure both defining new problems and developing successful solutions."

Reviewer B: "He has established himself as one of the leading researchers in computer vision in the U.S…I think that Jason's potential for making future important contributions to computer vision is very high. He has enormous energy and is very creative."

Reviewer C: "In short, Jason is one of the brightest, most accomplished researchers of his generation, possessing exceptional breadth, creativity, productivity, technical strength, communication skills, and maturity."

Reviewer D: "He has demonstrated a level of knowledge, innovation, critical thinking, and expertise that is unrivaled in the computer vision community. More importantly, he has been a forward thinker in helping to advance the way that research is performed…"

Reviewer E: "I consider him a leader in the field of video object segmentation, with multiple well-known papers and an open source library that have had defining influence on this part of the field."

Reviewer F: "Dr. Corso is an excellent scholar and a model faculty member. He would be an asset to any top engineering program."

Reviewer G: "He contributes not only elegant methods but also strives for algorithms and methods that do solve real world problems. In that sense he does not shy away from the hard problems."

Summary of Recommendation: Professor Corso has established sustained excellence in research, dedication to teaching, and diligence in service. It is with the support of the College of Engineering Executive Committee that I recommend Jason J. Corso for promotion to professor of electrical engineering and computer science, with tenure, Department of Electrical Engineering and Computer Science, College of Engineering.

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Alec D. Gallimore, Ph.D.
Robert J. Vlasic Dean of Engineering
College of Engineering

May 2019