

**NUNO VASCONCELOS**

Professor, Electrical & Computer Engineering

I received a Ph.D. from MIT in 2000 and joined the Department of Electrical and Computer Engineering at UCSD in 2003, where I am currently a Professor. I head the Statistical Visual Computing Laboratory, and my research interests span the fields of computer vision, machine learning, statistics, and multimedia. Throughout the years, I have pioneered the use of probabilistic models in image retrieval, the use of semantic image representations in computer vision, the decision-theoretical formulation of the visual saliency problem, and the study of various problems in the understanding of crowded environments, such as automatic crowd counting and anomaly detection. I have authored over 150 peer-reviewed publications, which have received more than 25,000 citations and an h-index of 78, according to Google scholar. My students and I have received several best paper awards at various conferences. I have received the National Science Foundation CAREER Award and the Hellman Fellowship, and various grants from both federal (NSF, DARPA, ONR, etc.) and corporate (Google, Amazon, Qualcomm, etc.) sources.

I am a Fellow of the IEEE, and have held various editorial positions, including Senior Associate Editor of the IEEE Signal Processing Letters, Associate Editor of the IEEE Transactions on Pattern Analysis and Machine Intelligence, Program Chair of the ACM International Conference in Multimedia Retrieval, and Area Chair of major computer vision (CVPR, ECCV, ICCV) and machine learning (NIPS, ICML) conferences. I routinely participate in NSF panels, in the IEEE Fellows committee, and award committees of international prizes.

At UCSD, I have served in many committees. Most recently, I served on the UCSD Senate Committee on Admissions for the last two years. I was also a founding member and played a role in the early development of both the Contextual Robotics Institute and the Data Science Institute, which have now grown into large interdisciplinary institutes involving dozens of faculty members from various UCSD departments. I routinely serve on committees that aim to foster diversity and inclusion, e.g. I have been involved in various Excellence recruitment committees. I teach large and popular classes, routinely having between 250 and 300 students in my graduate class in machine learning and between 100 and 150 in my undergraduate class in the topic. These classes attract students from several departments and schools throughout the UCSD campus.