

Dr. David Doermann

Short Bio

Dr. David Doermann is a Professor of Empire Innovation and the Interim Chair of Computer Science and Engineering at the University at Buffalo (UB). Before coming to UB, he was a Program Manager with the Information Innovation Office at the Defense Advanced Research Projects Agency (DARPA). At DARPA, he developed, selected, and oversaw research and transition funding in computer vision, human language technologies, voice analytics, and media forensics. From 1993 to 2018, David was a research faculty member at the University of Maryland, College Park. In his role at the Institute for Advanced Computer Studies, he served as Director of the Laboratory for Language and Media Processing and as an adjunct member of the graduate faculty for the Department of Computer Science and the Department of Electrical Engineering. He and his group of researchers focused on many innovative topics related to analyzing and processing document images and video, including triage, visual indexing and retrieval, enhancement, and recognition of visual media's textual and structural components. His recent research has focused on advanced AI techniques for computer vision, medical image analysis, federated learning, neural architectural search, binary neural networks, and detecting false and misinformation in multimedia content. David has over 300 publications in conferences and journals, is a fellow of the IEEE and IAPR, has numerous awards, including an honorary doctorate from the University of Oulu, Finland, and is a founding Editor-in-Chief of the International Journal on Document Analysis and Recognition.

In his work at UB, Dr. Doermann is a passionate advocate for integrating artificial intelligence into our rapidly evolving world. He is especially focused on empowering individuals and organizations with the knowledge and skills they need to thrive in the age of AI. He firmly believes that AI has the potential to revolutionize industries, enhance human capabilities, and address some of the most pressing global challenges. Dr. Doermann was nominated for the State of New York Governors Commission on Artificial Intelligence, Robotics, and Automation, representing the SUNY system. He serves on the SUNY Strategic Research Investment (STRIVE) Task Force on Artificial Intelligence and the UB Led Task Force on Generative AI in Teaching and Learning. He has organized several workshops and conferences at UB centered on the challenges of recent AI. He is a member of the DARPA ISAT study group focused on future uses of AI for the government.



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