



### Elvan Ceyhan

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Dr. Elvan Ceyhan is the Marguerite Scharnagle Endowed Professor in the Department of Mathematics and Statistics at Auburn University. He received his Ph.D. in Applied Mathematics and Statistics from Johns Hopkins University in 2005 and completed a postdoctoral fellowship at the Center for Imaging Science at JHU. Previously, he held faculty positions at Koç University, was Deputy Director of SAMSI, and served at NCSU and the University of Pittsburgh. His research spans graph-based machine learning, spatial data analysis, network optimization, and statistical methods in medical imaging. Dr. Ceyhan has published over 58 peer-reviewed journal articles, authored R packages such as 'pcds' and 'nnspat', and has given more than 90 scholarly talks and presentations. He is currently the Co-Director of Auburn's CDSI and President of the ASA AL-MS Chapter. He has received multiple honors, including the 2024 Phi Kappa Phi Love of Learning Award, Marie Kraska Award for Excellence in Teaching, and membership in the Auburn Global Teaching Academy. Dr. Ceyhan has served on editorial boards of several journals and held leadership roles in international statistical organizations. His work has been supported by NSF, ONR, Simons Foundation, and EU Marie Curie Fellowship, among others.

Dr. Ceyhan has published 57 refereed journal articles in various areas of statistics and mathematics with applications in medical and environmental sciences, and engineering, has been invited to write 4 discussion notes to Journal of Royal Statistical Society, has given over 55 seminars and conference presentations, some of which were invited lectures and presented 25 posters at national and international meetings. He has contributed significantly to graph-based learning and spatial data analysis and spatial pattern tests based on nearest neighbor methods. His research focus is recently moving toward Machine Learning and Data Science and network traversal and obstruction problems.

Dr. Ceyhan served as an **Associate Editor (AE)** for **Computational Statistics & Data Analysis** in 2008-2016 and as an **Editorial Board Member** for Model Assisted Statistics and Applications in 2007-2014 and has served as AE for Journal of Probability and Statistical Sciences in 2007-13, 2021-now. He was also a Scientific Advisory Board Member and abstract reviewer for Human Brain Mapping in 2007, an expert reviewer for the evaluation of H2020 MSCA I-MAT proposals (2016); **member of Board of Directors of International Association of Statistical Computing – European Regional Section**, 2012-16; panel member or reviewer for TUBITAK (Turkish Research Council) Projects, 2010-13; head of Math Department of KU, 2010-11; Member for the KU Faculty Council in 2006-11. He was the organizer of three Invited Sessions and one Special Topic Session in various conferences, Scientific Program Committee member for five major conferences, and **co-chair of the Local Organizing Committee of World Congress in Probability and Statistics** in 2012 and one of its satellite meetings. His joint poster won the **Second-Best Oral Presentation Award** at the 30<sup>th</sup> National Radiology Congress in Turkey in 2009.

Dr. Ceyhan performed refereeing duties for about 30 journals (multiple times for some of them) and for Mathematical Reviews in 2008-19. His work has been cited more than 895 times by researchers worldwide. He was elected as a member of **Global Young Academy** in 2012, as a **Young Affiliate Fellow of The World Academy of Sciences** for 2012–16, became an **Elected Member of International Statistical Institute** in 2011, and has been a member of **Phi Kappa Phi Honor Society** since 1999. He was granted complimentary membership to the **New York Academy of Sciences** for 2015-16. He has also received the prestigious **EU-FP7 Marie Curie International Outgoing Fellowship** (2013-15). He won a **European Science Foundation scholarship** for the IASC-ERS Summer school "Computational Aspects in Environmental Statistics" in Bulgaria in 2009. He received a TUBITAK grant in 2012-13 and a TUBITAK Career grant in 2008-11.