

Mario Alberto Díaz Torres

1988 - 2024



Mario Díaz Torres was born in Guadalajara, Jalisco on July the 15th of 1988. He lived in Colima during his childhood, but he went back to Guadalajara to finish his secondary school education. He later obtained a degree in Communications and Electronics Engineering from the University Center for Exact Sciences and Engineering of the University of Guadalajara. In 2013, he received a master's degree in Probability and Statistics from the Center for Research in Mathematics (CIMAT) in Guanajuato and after that, in 2017 he obtained his Ph.D. degree in Mathematics and Statistics at the Queen's University in Kingston, Canada. Subsequently, from 2017 to 2019, Mario did three postdoctoral positions, two of them in the U.S.A. and one in Mexico.

During his doctoral studies, Mario developed a number of ideas related to the Global Fluctuations of Random Matrices, from which he made publications in high impact journals, the last of these during 2023. On completion of his Ph.D. degree, he went for postdoctoral positions at Arizona State (2017) and Harvard (2018) universities, where he worked on the Mathematical and Statistical foundations of Data Privacy, subsequently he returned to Mexico for a postdoctoral position at CIMAT, where he continued his research in topics like Machine Learning, Random Matrices and Data Privacy, areas of expertise in which, due to his creativity and enthusiasm, he achieved an outstanding performance. His academic legacy includes more than 22 works in indexed journals, proceedings and unpublished manuscripts, all of these are considered influential and with high quality.

In the Summer of 2019, Mario started a position as a researcher at the Probability and Statistics Department of the Institute for Research in Applied Mathematics and Systems of the National Autonomous University of Mexico (IIMAS-UNAM). At the master's programme in Mathematical Sciences of UNAM, he lectured courses in Machine Learning, Statistical Inference, Statistical Foundations of Data Privacy and Information and Statistics Theory, he also supervised a number of theses of his students, who were motivated by Mario's academic level, keenness, and kindness.

As part of his academic work, Mario organized seminars and conferences about Information Theory and Noncommutative Mathematical Analysis, he delivered nearly sixteen talks in national and international conferences.

The mathematical community regards Mario as a very much appreciated member, his professional achievements were beyond the average mathematician, but that fact did not affect the friendly and humble way in which he interacted with colleagues. A number of members of our community were benefited with Mario's intellectual generosity, with his hard work, but above all, with his friendship.

Since the years in which Mario trained high school students for the International Mathematical Olympiad competition, he forged endearing friendships. During his bachelor, master and Ph.D. studies he always made friends in each community from which he was a member. Due to his clever conversation and sense of humor, not to mention his passion to search for knowledge, he used to leave a mark in the memory of many fellows who only met him once during an academic event, his eagerness was a constant invitation for his friends, to follow Mario in the quest for the deepest understanding of Mathematics.

His academic and human legacies will keep motivating generations of mathematicians to reach for the excellence levels that always characterized Mario.