



THE CHINESE UNIVERSITY OF HONG KONG
Department of Information Engineering
Seminar

**Understanding and Engineering Information in Molecular
Communication, Game Theory, Quantum Systems,
and Wireless Systems by
Dr. Amin AMINZADEH GOHARI
Tehran Insitute for Advanced Studies**

Date : 4 January 2022 (Tuesday)

Time : 1:00pm – 2:00pm

Zoom : <https://cuhk.zoom.us/j/97412565768?pwd=ZlQ1RkFjY3hZZUFaVjJnSzl1clhkQT09>

(Meeting ID: 974 1256 5768; Passcode: 539476)

Abstract

In this presentation, I will overview some of my contributions to molecular communication, game theory, and classical and quantum information theory. The common theme of these results is that they all study optimal dissemination, revelation, and extraction of information in different contexts. In particular, I will discuss our contributions to some fundamental questions in these areas and the new mathematical tools developed to address these questions.

Biography

Dr. Amin Aminzadeh Gohari received the B.Sc. degree from the Sharif University of Technology, Tehran, Iran, in 2004 and his Ph.D. degree in Electrical Engineering from the University of California, Berkeley in 2010. From 2010-2011, he was a postdoc at the Chinese University of Hong Kong, Institute of Network Coding. From 2011-2020 he was with the Electrical Engineering department of Sharif University of Technology. He joined the Tehran Institute for Advanced Studies in 2020. Dr. Amin Aminzadeh Gohari received the 2010 Eli Jury Award from UC Berkeley, Department of Electrical Engineering and Computer Sciences, for outstanding achievement in the area of communication networks, and the 2009-2010 Bernard Friedman Memorial Prize in Applied Mathematics from UC Berkeley, Department of Mathematics, for demonstrated ability to do research in applied mathematics. He also received the Gold Medal from the 41st International Mathematical Olympiad (IMO 2000) and the First Prize from the 9th International Mathematical Competition for University Students (IMC 2002). He was a finalist for the best student paper award at the IEEE International Symposium on Information Theory (ISIT) in three consecutive years, 2008, 2009, and 2010. He was also co-author of a paper that won the ISIT 2013 Jack Wolf student paper award, and two that were finalists in 2012 and 2014 (as supervisor). He was selected as an exemplary reviewer for Transactions on Communications in 2015 and 2016. Dr. Amin Aminzadeh Gohari served as an Associate Editor for the IEEE Transactions on Information Theory from 2018 to 2021.

**** ALL ARE WELCOME ****