



Communications Chapter

سخنرانی علمی

دکتر امین امینزاده گوهری

Communication Theory and Non-locality of Nature

یکشنبه ۱۳۹۳/۹/۲۳، ساعت ۱۶

دانشکده‌های مهندسی برق و کامپیوتر، سیدخندان
اتاق سمینار، طبقه دوم ساختمان شهید فرد اسدی (اصلی)

Abstract

Communication theory addresses the problem of efficient transmission of messages over a network. It provides us with many mathematical tools and insights that have far reaching implications beyond the field itself. In this talk, we show how these tools can be used to study an important quest in fundamental physics, of characterizing the non-locality of nature based on intuitive physical principles (rather than the mathematical formalism of quantum mechanics). Some of the new results that will be presented in this talk are joint the work with Dr. Salman Beigi.

Biography



Amin Aminzadeh Gohari received his B.Sc. degree from Sharif University, Iran, in 2004 and his Ph.D. degree in electrical engineering from the University of California, Berkeley in 2010. He was a postdoc at the Chinese University of Hong Kong, Institute of Network Coding. He is currently an assistant professor at Sharif University of Technology.

Dr. Aminzadeh Gohari received the 2010 Eli Jury Award from UC Berkeley, Department of Electrical Engineering and Computer Sciences, and the 2009-2010 Bernard Friedman Memorial Prize in Applied Mathematics from UC Berkeley, Department of 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).