



**Discrete Mathematics and Computer Science Seminars**  
Department of Mathematical Sciences, Sharif University of Technology

# How Cylindrical Construction Works?

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**Meysam Madani** is a post-doctoral Researcher at Department of Mathematical Sciences, Sharif University of Technology. He completed his Ph.D. there working on Cylindrical Constructions and its Applications.



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## Abstract

Cylindrical construction is an edge-replacement procedure admitting twists on both ends of the hyperedges, generalizing the concepts of lifts and Pultr templates at the same time. A large number of well-known graph constructions are cylindrical, while the construction and its dual (power construction) give rise to some new graph constructions, applications and results.

In this talk I will concentrate on the basics of these constructions and their usefulness to answer some questions in graph theory.

This is based on a joint work with Amir Daneshgar and Mohsen Hejrati.

**Wednesday, 26 Aban 1395** (16 November 2016), **12:45-14:00**  
Room **317**, Department of Mathematical Sciences

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