UNIVERSITÀ DELLA CALABRIA | DIPARTIMENTO DI MATEMATICA E INFORMATICA

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PH.D. IN MATHEMATICS AND COMPUTER SCIENCE

COURSE SCHEDULE

ACADEMIC YEAR 2022/2023

MULTILEVEL ATTACKS TO COMMUNITY DETECTION

LECTURER: GIUSEPPE PIRRÒ
UNIVERSITY OF CALABRIA

16 - 19 OCTOBER

COMMUNITY DETECTION ALGORITHMS HAVE BEEN USED TO CLUSTER NETWORK NODES INTO A COMMUNITY STRUCTURE. SINCE THIS CAN SOMETIMES COMPROMISE USER PRIVACY, COMMUNITY DECEPTION (OR HIDING) APPROACHES HAVE BEEN PROPOSED. THE IDEA IS TO DEVELOP A SET OF EDGE UPDATES THAT CHANGE THE OUTCOME OF A DETECTION ALGORITHM. IN THIS COURSE, WE WILL INVESTIGATE APPROACHES TO ATTACK COMMUNITY DETECTION ALGORITHMS FROM THE PERSPECTIVE OF HIDING COMMUNITY STRUCTURES, SINGLE COMMUNITIES, OR INDIVIDUAL NODES.

TOPICS:

- COMMUNITY HIDING
- PRIVACY IN (SOCIAL) NETWORKS
- COMMUNITY DETECTION

CLASS SCHEDULE:

MON 16/10 11:00 -14:00 (MT 12)
TUE 17/10 14:00 -17:00 (MT 12)
WED 18/10 11:00 -14:00 (MT 13)
THU 19/10 14:00 -17:00 (MT 12)