

Ph.D. positions



**ELECTRICAL
& COMPUTER
ENGINEERING**

Performance and Resource OpTimizatiOn in Networks Lab – PROTON Lab

The Performance and Resource OpTimizaTiOn in Networks (PROTON) lab led by Prof. Eirini Eleni Tsiropoulou is accepting applications for two highly qualified Ph.D. students in the areas of:

Internet of Things	Network Modeling and Optimization	Mobile Edge Computing
Artificial Intelligence	Machine Learning	5G Wireless Networks

Skills & Expertise

The position requires strong competencies in programming (C/C++, Python, Matlab) and excellent written and oral communication skills in English. Solid background in mathematics, proven problem-solving ability and strong analytical skills are considered a plus. The position is fully supported by NSF grants.

The candidate must have a master's degree (or equivalent) in computer engineering or computer science or telecommunication engineering or a related study with excellent results. The candidate must have a high motivation for research, and be able to work both independently, as well as in a team.

Position

The position is expected to start in **Spring 2020 or Fall 2020**. As a Research Assistant, you are expected to work 20h per week in the lab and to take 2 to 3 courses in the Ph.D. program. You will need to pass a qualifier exam, a comprehensive exam in three courses, to be fully accepted in the Ph.D. program. You will learn how to conduct research and how to fund research preparing you for an academic career worldwide.

How to Apply & Contact Information

Applicants should send a detailed curriculum vitae along with a letter of interest, transcripts for undergraduate and graduate studies to eirini@unm.edu.

VISA affairs

We will help you to get a visa to be able to work and study at the University of New Mexico.

Location

Albuquerque, New Mexico, is located in the true "Wild West". Billy the Kid and Kit Carson lived here. And New Mexico is old. Santa Fe, founded in 1607, is the oldest continuously inhabited state capital in the USA. And of course, the Apache and Navajos and other Indian tribes left their earlier marks, most prominently in the form of pueblos.

Also, do you like skiing and outdoor adventures? The Sandia Mountains and the New Mexico Rocky Mountains invite for great activities!

About UNM

The University of New Mexico is classified by Carnegie as a "Highest Research Activity" university. Our faculty embodies 4 Distinguished Professors, 8 IEEE Fellows, 3 OSA Fellows, 2 SPIE Fellows, and 1 Direct Energy Society Fellow. And our research funding including our affiliated research centers is > \$30,000,000!



Performance & Resource OpTimizatiOn in Networks Lab PROTON Lab – Prof. Eirini Eleni Tsiropoulou <http://ece-research.unm.edu/tsiropoulou/index.html>

- PROTON Lab works on exciting multi-disciplinary problems addressing national priorities and societal needs
- Its focus is placed on modeling, design, optimization and performance evaluation of large-scale cognitive interconnected systems and networks
- Artificial Intelligence & Machine Learning
- Public Safety Networks - Socio-physical Networks
- Network Modeling and Optimization in Heterogeneous Wireless Networks - Network Economics
- Quality of Experience – Human Behavior Modeling
- Wireless Communications

