Open PhD and Postdoc positions in Security and Privacy at Yale University

Beginning Fall 2021, the research lab of Professor Papamanthou is moving to Yale University (Computer Science). There are openings for PhD and Postdoc positions in various areas of security and privacy, with a particular focus on applied cryptography, such as:

- Theory, models and systems for verifiable computation and zero-knowledge proofs, and their applications in blockchains and cryptocurrencies, machine learning and the web;
- Searchable encryption, and in particular new leakage-abuse attacks and new encrypted databases with formal protection against leakage and good practical performance;
- Efficient consensus algorithms for blockchains and distributed systems and their formal verification;
- Developing user-friendly secure cloud systems with privacy and accountability;
- Practical lattice-based cryptography;
- Other areas of (applied) cryptography, security and privacy.

The lab was founded in 2013 and has received funding by the government (NIST, NSA, NSF) and industry (Amazon, Google, NetApp, VMware, Yahoo!). Graduates of the lab have been appointed faculty at top US institutions, such as Texas A&M, UC Santa Cruz and University of Michigan, and have also taken on industry positions.

For information regarding recent research projects of the lab please visit the group’s publications page. The deadline for applying to the Yale Computer Science PhD program is January 2nd, 2021 (Mention my name in your application.) Background in cryptography and/or strong algorithms skills are desirable. For questions, please email Professor Papamanthou at chbpap@gmail.com.

The lab is committed to creating a diverse and inclusive environment independent of race, color, religion, gender identity or expression, sexual orientation, national origin and disability.