

TPDP 2022 Call for Papers

Differential privacy is a promising approach to privacy-preserving data analysis. Differential privacy provides strong worst-case guarantees about the harm that a user could suffer from participating in a differentially private data analysis, but is also flexible enough to allow for a wide variety of data analyses to be performed with a high degree of utility. Having already been the subject of a decade of intense scientific study, it has also now been deployed in products at government agencies such as the U.S. Census Bureau and companies like Apple and Google.

Researchers in differential privacy span many distinct research communities, including algorithms, computer security, cryptography, databases, data mining, machine learning, statistics, programming languages, social sciences, and law. This workshop will bring researchers from these communities together to discuss recent developments in both the theory and practice of differential privacy.

Specific topics of interest for the workshop include (but are not limited to):

- theory of differential privacy,
- differential privacy and security,
- privacy preserving machine learning,
- differential privacy and statistics,
- differential privacy and data analysis,
- trade-offs between privacy protection and analytic utility,
- differential privacy and surveys,
- programming languages for differential privacy,
- relaxations of the differential privacy definition,
- differential privacy vs other privacy notions and methods,
- experimental studies using differential privacy,
- differential privacy implementations,
- differential privacy and policy making,
- applications of differential privacy.

Submissions: The goal of TPDP is to stimulate the discussion on the relevance of differentially private data analyses in practice. For this reason, we seek contributions from different research areas of computer science and statistics. Authors are invited to submit a short abstract (4 pages + references maximum) of their work. Submissions are single-blind (non-anonymized), and there is no prescribed style file (though authors should be considerate of reviewers in their selection). Submissions will undergo a lightweight review process and will be judged on originality, relevance, interest and clarity. Submission should describe novel work or work that has already appeared elsewhere but that can stimulate the discussion between different communities at the workshop. Accepted abstracts will be presented at the workshop either as a talk or a poster. The workshop will not have formal proceedings and is not intended to preclude later publication at another venue.

Submission website: OpenReview

(<https://openreview.net/group?id=ICML.cc/2022/Workshop/TPDP>).

Note the “open” features of OpenReview will not be used, and visibility of all submissions, reviews, and accepted papers will be restricted to the program committee (similar to other systems like EasyChair, CMT, HotCRP, etc.).

Dates:

Submission Deadline: May 6, 2022 (Anywhere on Earth)

Notification: June 13, 2022

Workshop: July 22 or 23, 2022