



The 2nd Workshop on Genome Privacy and Security

GenoPri 2015

May 21, 2015 - San Jose, CA (co-located with IEEE S&P)

genopri.org

CALL FOR PAPERS

Important Dates

Paper submission deadline: January 20, 2015, 11:59pm PST

Author notification: February 22, 2015

Camera-ready deadline: March 5, 2015

Highlights

The 2nd Workshop on Genome Privacy and Security (GenoPri 2015):

- Builds on the success of the first workshop's edition (held in conjunction with PETS'14)
- Will be co-located with IEEE Symposium on Security and Privacy (IEEE S&P)
- Fosters research efforts aimed to understand and address all privacy and security issues prompted by progress in genomics
- Brings together a highly interdisciplinary community involved in all aspects of genome privacy and security research
- Seeks submissions not only from the Computer Science and Bioinformatics communities, but also from researchers and practitioners studying the Ethical, Legal, and Societal issues with genomics
- Will accept both short (4 pages) and long (10 pages) papers
- Also solicits position papers and systematization-of-knowledge papers
- Will publish accepted papers in IEEE Proceedings (along with the other S&P Workshops)

Workshop Chair

Xiaoqian Jiang, *UC San Diego*

Program Chairs

Emiliano De Cristofaro, *University College London*

Bradley Malin, *Vanderbilt University*

Suggested topics

Topics of interest include, but are not limited to:

- Privacy-preserving analysis of and computation on genomic data
- Security and privacy metrics for the leakage of genomic data
- Cross-layer attacks to genome privacy
- Access control for genomic data
- Differentiated access rights for medical professionals
- Quantification of genome privacy
- De-anonymization attacks against genomic databases
- Efficient cryptographic techniques for enhancing security/privacy of genomic data
- Privacy enhancing technologies for genomic data
- Implications of synthetic DNA for privacy
- Applications of differential privacy to the protection of genomic data
- Storage and long-term safety of genomic data
- Secure sharing of genomic data between different entities
- Trust in genomic research and applications
- Social and economic issues for genome privacy and security
- Ethical and legal issues in genomics
- Studies of policy efforts in genomics
- User studies and perceptions
- Social and economic issues for genome privacy
- Studies of issues and challenges with informed consent
- Privacy issues in transcriptomics and proteomics
- *Systematization-of-knowledge* of genome privacy and security research
- *Position papers*

Author Guidelines

Papers to be considered include short papers (4 pages including references and appendices) and full technical papers (10 pages including references and appendices). Text must be formatted according to the IEEE conference proceedings templates. Submissions should NOT be anonymized and will all be peer-reviewed by the program committee. At least one author of each accepted paper should register for (and present the paper at) the workshop.

New this year: Proceedings of accepted papers will be published by IEEE.

Program Committee

Please see genopri.org