Chandan Tankala

CONTACT INFORMATION	Deady Hall 204 Department of Mathematics University of Oregon Eugene, OR 97405 USA	*E-mail:* chandant@uoregon.edu *WWW:chandantankala.github.io*

RESEARCH INTERESTS

Probability theory with applications to problems from theoretical computer science and statistical physics. Current focus area is analysis of Markov chain mixing times.

EDUCATION

University of Oregon, Eugene, Oregon, USA

Ph.D. Candidate, Mathematics

- Advisor: David A. Levin

Texas A&M University, College Station, TX, USA

M.S., Geophysics, 2012

National Institute of Technology, India

Bachelors of Technology, 2009

JOURNAL PUBLICATIONS

1. Fast mixing of a randomized shift-register Markov chain (To appear in Journal of Applied Probability, March 2023)
https://arxiv.org/pdf/2109.05387.pdf

WORK EXPERIENCE **British Petroleum**, Houston, TX USA

Geophysicist   **2012 - 2015**
Worked on creating and implementing seismic imaging, signal processing algorithms which are broadly based on waveform inversion, wavelet transforms, stochastic optimization.

Intern, Geohazards team   **May - Aug, 2011**
Worked on 4D seismic data analysis to characterize potential hazards.

COMPUTER SKILLS Python,MATLAB,R