


Stanford



Indraneel Gireendra Kasmalkar

Ph.D. Student in Computational and Mathematical Engineering, admitted Autumn 2015

 Resume available Online

Bio

BIO

I am a PhD student at the Stanford Institute of Computational and Mathematical Engineering (ICME). I graduated from the University of California, Berkeley in 2015 with a Bachelor of Arts degree in Pure Mathematics. My research interests lie in the applications of mathematical tools to create better models for glacier dynamics.

EDUCATION AND CERTIFICATIONS

- Bachelor of Arts, University of California, Berkeley , Pure Mathematics (2015)

SERVICE, VOLUNTEER, AND COMMUNITY WORK

- Creative Writing Workshop (December 2015)
- Cal Teach Program (1/1/2013 - 5/1/2013)

PERSONAL INTERESTS

Fiction writing, learning new languages, long distance running, hiking.

LINKS

- SIGMA: <https://pangea.stanford.edu/researchgroups/sigma/>
- LinkedIn: <https://www.linkedin.com/in/indraneelk>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

We are currently limited in our understanding of what drives fast ice flow in Antarctica. I study water systems at the interface of the ice and the underlying bed and their coupled dynamics with ice and sediment. My goal is to understand how subglacial meltwater facilitates fast flow.

Publications

PUBLICATIONS

- **ERGODICITY AND CONSERVATIVITY OF PRODUCTS OF INFINITE TRANSFORMATIONS AND THEIR INVERSES** *COLLOQUIUM MATHEMATICUM*
Clancy, J., Friedberg, R., Kasmalkar, I., Loh, I., Padurariu, T., Silva, C. E., Vasudevan, S.
2016; 143 (2): 271-291
- **On the Sendov Conjecture for a Root Close to the Unit Circle** *Australian Journal of Mathematical Analysis and Applications*
Kasmalkar, I. G.
2014; 11 (1): 1-34