## Department of Statistics BAHADUR MEMORIAL LECTURES

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Some New Developments in the R-INLA Project

MONDAY, April 16, 2018, at 4:30 PM Eckhart 133, 5734 S. University Avenue Refreshments before the seminar at 4:00PM in Jones 111

## **ABSTRACT**

I will discuss some recent developments and works in progress related to the R-INLA project (www.r-inla.org), which offers approximate Bayesian inference for latent Gaussian models and is extensively used by researchers worldwide. The topics will include quantile regression for discrete responses, an approximate representation of the fractional Gaussian noise model with linear computational complexity, Student-t response and random effects, and how to construct Gaussian fields which obeys physical barriers like islands and coastlines.

For further information and about building access for persons with disabilities, please contact Jonathan Rodriguez at 773.702.8333 or send email (jgrodriguez@galton.uchicago.edu). If you wish to subscribe to our email list, please visit the following website: https://lists.uchicago.edu/web/arc/statseminars.