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MCRN Newsletter

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MCRN Colloquium Webinar

Congratulations

Monday, April 25, 2016, 4pm EDT: **Erik Van Vleck** (University of Kansas) [Webinar Link](#)

Hybrid Data Assimilation Techniques and Applications

Abstract: Data assimilation provides a framework for incorporating data or observations into models for both state space and parameter estimation. In this talk we discuss the development of some hybrid data assimilation techniques based upon shadowing refinement. These techniques employ dimension reduction motivated by time dependent stability theory and are designed in an equation free form for application from conceptual to large stand-alone models. We discuss some of the applications we are investigating using these techniques and illustrate their effectiveness on some model problems.

The last colloquium in the 2015-2016 academic year will be by **Amit Apte** (International Centre for Theoretical Sciences of the Tata Institute of Fundamental Research, India) on Monday, May 2, 2016, 10am EDT. His talk is titled "Simple models of the Indian summer monsoon."

Hub tutorial

If you are interested in creating a course on the hub, then listen in to the HUBzero Foundation's webinar training on **Courses**. This training session will cover how to set up a course, adding content, and taking a course from a student's perspective. A question and answer session will follow the training session to cover any trailing thoughts that the presenters might have missed. [Join the training session](#) on Thursday, May 26th, 2:00 pm - 3:00 pm EDT.

In case you missed it...

View [Vegetation patterns in mathematical models, and vegetation patterns in Horn of Africa](#), a joint presentation by **Mary Silber** and **Karna Gowda**.

To all graduating students and MCRNers who are moving to new positions! If you have not already done so, please [send notice](#) of all MCRNers' transitions.

News

FYI: [NSF Dear Colleague Letter](#): Improving Graduate Student Preparedness for Entering the Workforce Member: [Alice Nadeau](#) [accepted for summer internship at the Princeton Cooperative Institute for Climate Science](#)

Get a head start

Before you know it, it'll be time to submit all your recent publications for the Annual Report. Don't wait! Please input and update your **recent publications** [here](#). Need [help?](#)

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