

**SSEC/CIMSS
Seminar**

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Studies / National Severe Storms Laboratory**

**Data Mining Storm Attributes in
Real-time: How is it done? What
questions can it answer?**

The talk introduces data mining as it pertains to weather nowcasting and describes a technique to identify storms and capture scalar features within the geographic and temporal extent of the identified storms. These features can be data mined to answer many types of research questions in an objective, data-driven manner. This is illustrated by (1) analyzing NWS forecaster skill in predicting tornadoes that occur in different types of storms and (2) creating a real-time lightning nowcast algorithm that is capable of predicting lightning initiation and cessation.

Wednesday, 3 September 2008

11:00 a.m.

Room AOSS 1039