

Sensor Analytics: LANL Distinctive Signature and Business Model

**The International Chemometrics Society (ICS) describes "Chemometrics [as] the science of relating measurements made on a chemical system or process to the state of the system via application of mathematical or statistical methods". This description could be generalized to read "Sensor analytics (or signatures science) is the science of relating measurements made on a sensor system or process to the state of the system via application of mathematical or statistical methods". Analogous to chemometrics, the technical scope of sensor analytics (SA) fundamentally moves inferential analysis as close as possible to the raw sensor signature and the resulting theories and methods lead to diverse "evidence quality" sensor signatures. As a research scope and business thrust, SA has great potential to enable automated analysis and combination of heterogeneous sensor signatures including the development of a "laboratory on chip" capability for low power/bandwidth applications. This presentation will present LANL SA technical and business development goals.**

**Dale Anderson, a statistician in EES, will be giving a talk to our group at 3 p.m., Wednesday, April 22. Title and abstract will follow; we'll be in the downstairs conference room.**