Service Oriented Architecture (SOA) Initiative: Kickoff Forum

SOA at NUL, Weinberg and McCormick

Michael North – University Library
Dan Johannsson – Weinberg
Alan Wolff – McCormick
SOA at NUL

• We can give you data!
  – Collections of audio, video, images and catalog records.
  – Content from other parts of campus could be published in the library’s central search.
  – Name, Place, Subject Authority Control Services could be consumed by various applications on campus.
  – Subject-based lists of databases, journals and subject guides could be consumed by departmental or research web sites.
SOA at Weinberg

• **We can give you data!**
  
  – Weinberg undergraduate interests and career goals could be used by departments outside of Weinberg for targeted communications for special interest events.
  
  – Weinberg academic awards are sometimes granted to non-Weinberg students. Their schools may want to know about this.
  
  – Advising notes from Insight and Dossier could make it into SES.
  
  – External systems could get the status of and results of a poll in Online Elections system.
  
  – Online Forms could expose data for custom reporting and dashboards.
SOA at McCormick

Faculty Research Areas, CVs, Publications:

- **Brinson, L. Catherine**
  - Jerome B. Cabin Professor of Mechanical Engineering
  - cbrinson@northwestern.edu
  - Multiscale mechanics of advanced materials, including shape memory alloys, polymer nanocomposites, and biomimetic synthesis, characterization and modeling.

- **Brodbeck, Linda J.**
  - Chair and Professor of Chemical and Biological Engineering
  - Sarah Rebecca Roland Professor
  - brodbeck@northwestern.edu
  - Multiscale modeling of complex reacting systems, design of nanostructured catalysts, discovery of novel biochemical pathways, polymerization and depolymerization kinetics.

- **Burghardt, Wesley R.**
  - Charles Deering McCormick/Professor of Teaching Excellence
  - Professor of Chemical and Biological Engineering
  - Polymer science, rheology, non-Newtonian fluid mechanics.

360° Leadership Assessments:

- **360: Overcoming Adversity and Failure**

Assessments for classes with group projects:

- **McCormick Seminars:**

Team Ratings
Average rating of all members

High Performance Teams
Medium Performance Teams
Low Performance Teams

Mid-Term Group Rating
End of Term Group Rating

Whole-brain engineering