### GIS DAY 2016 - November 15, 2016
**UMD Kirby Ballroom**

**12:00 – 4:00pm GIS Displays and Demonstrations**
Participants in the event include many UMD departments as well as ARDC/Duluth-Superior MIC, Barr Engineering, Bismarck Map Company, City of Duluth, Esri, Krech Ojard, NRRI -Minerals/Metallurgy/Mining, Minnesota Geocaching Association, Minnesota Power/Allele, Mn GIS/LIS Consortium, Moore Engineering, NOAA National Weather Service, North Point Geographic Solutions, NRRI GIS, St. Louis County, Superior/Douglas County, Superior Water and Light, UMN MGIS Program, University of Wisconsin Superior, and the US EPA.

<table>
<thead>
<tr>
<th>Time</th>
<th>Presenter</th>
<th>Presentation Title</th>
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</thead>
<tbody>
<tr>
<td>12:00 PM</td>
<td>Allen Best, Water Resources Specialist, City of Superior, Environmental Services Division:</td>
<td>Stormwater Utility, Hyperlinks, and Pictometry - GIS in the Water Resources Field</td>
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<td>12:15 PM</td>
<td>Jonathon Launspach, GIS Analyst, SRA, Contractor to the USEPA:</td>
<td>Crowdsourcing as a Novel Approach to Mapping Ecosystem Services in a Great Lakes Area of Concern</td>
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<td>12:30 PM</td>
<td>Thomas Sayward, GIS Developer, Moore Engineering:</td>
<td>Floodplain Model Visualization Through Python Data Mining</td>
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<td>12:45 PM</td>
<td>Joseph Moore, Meteorologist, NOAA/National Weather Service:</td>
<td>The Wide World of GIS and Weather - GIS at the National Weather Service</td>
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<td>1:00 PM</td>
<td>William Bajjali, Professor of Hydrogeology and GIS, UWS:</td>
<td>GIS Minor Student Projects at UWS</td>
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<tr>
<td>1:30 PM</td>
<td>Sam Geibner, GIS Web Application Developer, North Point Geographic Solutions:</td>
<td>Intro to Snake Handling: Enough Python to be Dangerous</td>
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<tr>
<td>1:45 PM</td>
<td>Kristi Nixon, GIS Analyst, Natural Resources Research Institute:</td>
<td>Estimating forest stand metrics with LiDAR</td>
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<td>2:00 PM</td>
<td>Mike Koutrik, Account Manager, Esri:</td>
<td>The Changing World of Geospatial Technology</td>
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<td>How is GIS becoming a truly ubiquitous technology in all kinds of organizations, big and small? How are smartphones, cloud computing, big data and multi-dimensional data, the Internet of Things, real-time data and advanced analytics expanding expectations for how geospatial technology can bring value to our organizations? We will begin by portraying a vision of a modern GIS and demonstrating how the elements of that vision can benefit our organizations in profound ways.</td>
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<td>3:00 PM</td>
<td>Geography, Urban, Environment and Sustainability Studies Department alumni and jobs panel</td>
<td>Russell Habermann, ARDC; Brooke Wetmore, Zeitgeist; Charlie Moore, ARDC; Drew Lundgren, St. Louis County; Allen Best, City of Superior Environmental Services and Wastewater; Tami McDonald, Bismarck Map Company; Sam Giebner, North Point Geographic Solutions</td>
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**Sponsored by:**
- **Geospatial Analysis Center**
- **Swenson College of Science & Engineering**
- **University of Minnesota Duluth**
- **Driven to Discover**
- **Minnesota GIS/LIS Consortium**
- **GIS User Group**

**Additional Information:**
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  - UMD departments
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