



North Dakota Space Grant Annual Meeting  
April 8-9, 2016  
DSU Student Center Ballroom, Rm 116  
Dickinson State College, Dickinson, ND

Friday, April 8, 2016

- 1:00 pm Welcome! – Corinne Brevik, Dickinson State University
- 1:05 pm Introductions and Funding Updates - Santhosh Seelan
- 1:15 pm [Highlights of the Past Year](#) - Caitlin Nolby, and Marissa Saad
- 1:30 pm [Dalten Kuhn](#), DSU; *Light Pollution in Western North Dakota due to Regional Oil Development*
- 1:45 pm **Angie Milakovic**, BSC; *NASA Space Camp for Educators*
- 2:00 pm **Tom Gonnella**, MSU; *The Physics of Space Exploration: Infusing Engaging Problems in Math-based Physics Courses*
- 2:15 pm *Break (15 mins)*
- 2:30 pm [Tyler Lane](#), NDSU; *My Summer Experience as a NASA Intern, Adobe Connect*
- 2:45 pm [Jacob Huesman](#), NDSU; *Point Clouds, ROS and NASA, Adobe Connect*
- 3:00 pm [Suzannah Miller](#), MSU; *Mathematical Modeling for Planetary Motion, video*
- 3:15 pm [Lawrence Burkett](#), UND; *Storm Surge on a Coral Atoll, Adobe Connect*
- 3:30 pm [Sean McCloat](#), UND; *Aurorasaurus*
- 3:45 pm *Break (15min)*
- 4:00 pm [Mike Holman](#), BSC; *Bismarck's Ballooning Program*
- 4:15 pm [Amelia Gagnon](#), UND; *Retarding Potential Analyzer Project*
- 4:30 pm [Mitch Nordahl](#), NDSU; *Educating NDSU AIAA Students Aerospace Engineering Practices through CanSat Competitions*
- 4:45 pm [Justin Tangen](#), VCSU; *Using Side Scanning Sonar to Map Bottom Substrate Features in North Dakota Rivers*
- 5:00 pm **David Kim**, UND; *Aerodynamics Research*
- 5:15 pm *Adjourn!*
- 6:00 pm *No-Host Dinner at Trapper's Kettle – Belfield, ND (see handout)*
- 8:00 pm *Telescope Observing in Theodore Roosevelt National Park (see handout)*



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Saturday, April 9, 2016

- 8:00 am Summary of the Agenda - *Snacks Provided (Breakfast at Hotels)*
- 8:10 am Stomp Rocket Activity – Intro by Caitlin Nolby and Marissa Saad
- 9:10 am [Aaron Kingsbury and Sarah Sletten](#), MSU, *Geospatial Technologies in the Undergraduate Curriculum: Faculty Course Development to Research*
- 9:25 am [Daniel Berg](#), UND, *A Study of Single-Phase Flow through Irregular Miniature Cross-Sectional Geometry and Porous Media*
- 9:40 am [Mike Voglewede](#), Northwood; *FIRST Robotics in North Dakota*
- 9:55 am [Chris Buelke](#), UND; *NASA Internship and Better Ways to Purify Water*
- 10:10 am [Jefferson Brand](#), NDSU; *Fiber Optic Sensing System Demonstration on Pressure Vessels*
- 10:25 am *Break (15 mins)*
- 10:40 am [Dylan Young](#), UND; *Abundances of Uranium, Thorium, and Potassium in Rocks in the Northern Black Hills, South Dakota*
- 10:55 am **Carolyn Newton**, UND; *Considering Personality Types for Long Duration Spaceflight*
- 11:10 am [Kyle Pletan](#), UND; *Innovation Lab Technical Assistant*
- 11:25 am [Yildirim Bora Suzen](#), NDSU; *AIAA Design/Build/Fly Competition and MAV teams' efforts*
- 11:40 am [Aaron Scott](#), UND; *Making NASA Satellite Datasets Accessible for Everyone*
- 11:55 am Group Picture
- 11:50 am *Lunch (Provided)*
- 12:35 pm Space Grant Business Meeting
- 1:35 pm *Optional: A tour of DSU's Science building, greenhouse, and research labs.*