



***UMGEOCON Speaker Bios for
Moderators***

Guidance – Very Simple

1. Moderator signup: <https://bit.ly/2s4R5l4>
2. Pickup a moderator package from the event service desk
3. Run the time block you agreed to moderate
 - a. Please make sure your event(s) start on time.
 - b. Introduce the speaker by reading their bio.
 - c. Please make sure event times stay on track no matter how many questions are being asked. Allow the incoming speaker 3-5 minutes from the preceding event for their set-up time. For example, a 30-minute presentation is really 25-27 minutes long.

UMGEOCON Speaker Intro Bios for Moderators

Wednesday, May 23, Room 3314

7:30 AM: Making a Complete WebGIS Application with GeoMoose 3

Dan Little, Boundless Geospatial

6122202919; theduckylittle@gmail.com

Dan "Ducky" Little is an avid Open Source, Racing, and Robotics enthusiast. He has been developing open source software for more than 10 years and is the primary developer of the GeoMoose project.

Wednesday, May 23, Room 3110

8:30 AM: U.S. National Grid (USNG)

Randy Knippel, Dakota County, Minnesota

612-849-0266; randy.knippel@co.dakota.mn.us

Randy is GIS Manager at Dakota County where he has worked since 1994. He has been involved in a variety of activities related to implementing the U.S. National Grid. He serves on several committees for MetroGIS and MnGeo, including the Emergency Preparedness Committee. He has over 35 years of experience in geographic information science including cartography, photogrammetry, database design, programming, GIS analysis, and project management.

Wednesday, May 23, Computer Lab: Cowley 245

8:30 AM: Introduction to Python/ArcPy for Automating Geoprocessing and Map Production in ArcGIS

John DeGroot, GeoTREE Center - University of Northern Iowa

319-242-2047; john.degroot@uni.edu

John has served as the GeoTREE Center Director since December of 2012 while he previously served as a (Senior) Research Associate from 2006-2012. He oversees all training, research, education, and extension efforts of the Center. He has more

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than a decade of professional experience applying geospatial technologies to a wide variety of issues. He has worked with people across many disciplines and has developed and presented numerous geospatial technology workshops. John also teaches one class per semester in the Geography Department. He has a BS in Geography from the University of Iowa and a MS in Natural Resources from the University of Wisconsin Stevens Point.

Wednesday, May 23, Computer Lab: Cowley 204A

9:30 AM: Leveraging Amazon Web Services

Mark Korver, Amazon Web Services

206-669-3557; mkorver@amazon.com

Mark Korver is the Geospatial Lead on the Specialist Team at Amazon Web Services (AWS) and is based in Seattle. He supports AWS solution architects globally and is attached to larger geospatial customers. In addition, he represents the solution architecture team as the core storage expert. He holds a Master of City Planning from the Massachusetts Institute of Technology. Mark was raised in Japan and began his business career as founder of Alchemedia Inc. (Japan), a web application development company located in Tokyo, specializing in mapping and real-estate loan origination.

Wednesday, May 23, Room 3105

2:30 PM: High Density LiDAR Acquisition for Enhancing Forest Inventory

Jennifer Corcoran, Minnesota Department of Natural Resources

952-913-0935; Jennifer.Corcoran@state.mn.us

Jennifer Corcoran is the Remote Sensing Program Consultant in the Resource Assessment Program in the [Division of Forestry at the MN DNR](#). Her work focuses on aerial photography and lidar acquisitions, stereo image processing, forest disturbance and hydrologic feature mapping, as well as managing many small projects. She received her undergraduate degree from the [Evergreen State College](#);

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her M.S. degree with a Minor in GIS from the [UMN in the Climatology track in the Soil, Water, and Climate Dept](#); and her PhD degree with a Minor in Water Resource Science from the [UMN in Natural Resource Science and Management program in the Forest Resources Department](#).

3:00 PM: Forest Metric Mapping in Northern Minnesota

Keith Pelletier, University of Minnesota

802-522-5693; pelle155@umn.edu

Mr. Pelletier is a research scientist in the Department of Forest Resources at the University of Minnesota. Prior to joining UMN, he worked in the Spatial Analysis Lab at the University of Vermont, where he earned a Master's degree and taught GIS and remote sensing classes. Mr. Pelletier's research is focusing on developing new classification and assessment methods for object-based image analysis.

Wednesday, May 23, Room 3110

2:30 PM: Introduction to the U.S. National Grid

Randy Knippel, Dakota County, Minnesota

612-849-0266; randy.knippel@co.dakota.mn.us

Randy is GIS Manager at Dakota County where he has worked since 1994. He has been involved in a variety of activities related to implementing the U.S. National Grid. He serves on several committees for MetroGIS and MnGeo, including the Emergency Preparedness Committee. He has over 35 years of experience in geographic information science including cartography, photogrammetry, database design, programming, GIS analysis, and project management.

3:00 PM: Wisconsin Next Generation 9-1-1 (NG911) Update (2 speakers)

Chris Diller, Wisconsin Department of Military Affairs

608-242-3626; chris.diller@wisconsin.gov

Chris Diller is the Geospatial Coordinator for the Wisconsin Department of Military Affairs, home to the Wisconsin National Guard and Wisconsin Emergency Management. Since 2003 his job has been to oversee and coordinate the

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department's mapping activities including support for the State Emergency Operation Center and National Guard Joint Operation Center.

Andy Faust, North Central WI RPC

715-297-2204; afaust@ncwrpc.org

Andy has a bachelor's degree in Urban Regional Studies from the University of Wisconsin Oshkosh. Andy has over 25 years experience in GIS and planning. He has work with all forms of local government to provide assistance with a wide range of projects. Andy joined the North Central Wisconsin Regional Planning Commission (NCWRPC) in 1995 to develop and maintain the NCWRPC's GIS program. Andy received his Certified GIS Professional (GISP) in 2004.

Wednesday, May 23, Room 3120

2:30 PM: The Mystery of the Address

Geoffery Maas, Metropolitan Council

651.602.1638; geoffrey.maas@metc.state.mn.us

Geoff Maas is the MetroGIS Coordinator at the Metropolitan Council in St. Paul, Minnesota. He is also adjunct faculty at the University of Minnesota where he teaches GIS and Data Visualization to graduate students in public policy and urban planning the Humphrey School of Public Affairs. Since of April 2016, he has also served as the Chair of the Standards Committee of the Minnesota Geospatial Advisory Council.

3:00 PM: Development of Mobile/Web Citizen Science Water Quality Apps

John DeGroot, GeoTREE Center - University of Northern Iowa

319-273-6158; john.degroot@uni.edu

John has served as the GeoTREE Center Director since December of 2012 while he previously served as a (Senior) Research Associate from 2006-2012. He oversees all training, research, education, and extension efforts of the Center. He has more than a decade of professional experience applying geospatial technologies to a wide variety of issues. He has worked with people across many disciplines and has

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developed and presented numerous geospatial technology workshops. John also teaches one class per semester in the Geography Department. He has a BS in Geography from the University of Iowa and a MS in Natural Resources from the University of Wisconsin Stevens Point.

Wednesday, May 23, Room 3130

2:30 PM: Lightning Overview of the Best Geospatial Open Source

Bob Basques, SharedGeo

6125989210; bbasques@sharedgeo.org

Bob has extensive experience with GIS web services and enterprise geospatial publishing projects. His efforts to date have focused on design and management of the data catalog for the St. Paul, Minnesota COMPASS mapping interface, which feeds over 300 enterprise spatial data sets to desktop applications such as AutoCAD, ESRI and open source software clients. The COMPASS application is built on the GeoMoose open source project software, of which Bob is a founding member.

3:00 PM: Practical Tips for ArcGIS Pro

Micah Williamson, Cloudpoint Geographics

309-733-4285; mwilliamson@cloudpointgeo.com

Micah worked in local government for 12 years until the fall of 2012 when he moved into the private sector with Cloudpoint Geographics. Now he clamors across the Midwest implementing best practice GIS services to anyone who will allow. He is a second term board member with ILGISA and the first to be from the private sector.

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Wednesday, May 23, Room 3310

2:30 PM: Base Mapping, Big Data and Data Quality Challenges for Autonomous Vehicles

John Sullivan, Continental Mapping Consultants

608-381-2799; jsullivan@continentalmapping.com

John Sullivan started his career working for a technology start-up in southern California and eventually transitioned into the transportation industry where he has spent most of his career. His continued interest in technology lead him into the mapping industry where he could work with light detection and ranging systems first hand. John has done mobile lidar acquisition related to transportation, fiber optic networks and autonomous vehicles. His focus is in applying technological approaches and systems to bring consistency, quality and savings to projects.

Wednesday, May 23, Room 3314

2:30 PM: The “Lost” Wisconsin – Minnesota State Line

Byran Meyer, La Crosse County

608-387-0776; bmeyer@lacrossecounty.org

Bryan Meyer, serves as La Crosse County (Wisconsin) Surveyor – a position he has held since 2008. He also serves as President of the Wisconsin County Surveyors Association (WCSA). Bryan has been involved in land surveying since 1976. He is a 1980 graduate of Nicolet Area Technical College in Rhinelander Wisconsin and was employed as a land surveyor in private practice for nearly thirty years.

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Wednesday, May 23, Room 3105

4:00 PM: Cloud-Based Open Source Point Cloud Processing with PDAL

Howard Butler, Hobu, Inc.

515-966-4628; howard@hobu.co

Howard Butler is an open source software developer from Iowa City, IA, and his company, Hobu, Inc. specializes in software solutions for LiDAR and point cloud data management.

4:30 PM: Rapid Floodplain Estimation from Dynamic Point Cloud Services

Paul Senne, RESPEC

651-305-2276; paul.senne@respec.com

Mr. Senne is a GIS Developer with a background in geography, biological sciences and environmental policy. His main area of expertise is in spatial analysis and development surrounding water quantity and quality modeling; working at the crossroads of environmental policy where it meets GIS and information technology.

Wednesday, May 23, Room 3110

4:00 PM: High Density Aerial Lidar for Transportation Applications (2 speakers)

Jason Krueger, Ayres Associates

608-577-0048; kruegerj@ayresassociates.com

Jason Krueger has been with Ayres since 2007 and is the manager of Ayres' Aerial Mapping group in the Geospatial Division. Jason specializes in project design for transportation and municipal engineering applications. Jason serves as Ayres' project manager for Wisconsin, Minnesota, and Colorado DOT projects.

Matt Vinopal, Ayres Associates

608-212-2013; vinopalm@ayresassociates.com

Matt Vinopal joined the multispecialty architectural/engineering firm Ayres Associates in 1999 and serves as supervisor of Geospatial Services. Matt's responsibilities include LiDAR processing projects and stereo compilation of planimetric and topographic map features from aerial imagery. Matt has played an

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integral role in developing an outstanding LiDAR processing group at Ayres Associates and has led complex LiDAR missions for project areas around the country.

Wednesday, May 23, Room 3120

4:30 PM: Drone Aerial Photography – Accuracy and Practical Applications

Randy Knippel, Dakota County, Minnesota

612-849-0266; randy.knippel@co.dakota.mn.us

Randy is GIS Manager at Dakota County where he has worked since 1994. He has been involved in a variety of activities related to implementing the U.S. National Grid. He serves on several committees for MetroGIS and MnGeo, including the Emergency Preparedness Committee. He has over 35 years of experience in geographic information science including cartography, photogrammetry, database design, programming, GIS analysis, and project management.

Wednesday, May 23, Room 3130

4:00 PM: A Wisconsin Model for Statewide Imagery and LiDAR (2 Speakers)

Andy Faust, North Central WI RPC

715-297-2204; afaust@ncwrpc.org

Andy has a bachelor's degree in Urban Regional Studies from the University of Wisconsin Oshkosh. Andy has over 25 years experience in GIS and planning. He has work with all forms of local government to provide assistance with a wide range of projects. Andy joined the North Central Wisconsin Regional Planning Commission (NCWRPC) in 1995 to develop and maintain the NCWRPC's GIS program. Andy received his Certified GIS Professional (GISP) in 2004.

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Adam Derringer, Ayers Associates

608-843-3699; DerringerA@AyresAssociates.com

Adam Derringer has 17 years of management experience in geospatial technologies in both the private and public sectors. Adam works with state and local governments as well as utility and engineering firms to provide innovative solutions and unparalleled service to our clients in aerial imagery, aerial/mobile/terrestrial LiDAR, remote sensing, and GIS. Adam serves as a project manager for the Wisconsin Regional Orthophotography Program and helps coordinate Wisconsin's 3DEP program.

Wednesday, May 23, Room 3310

4:00 PM: What's New with ArcGIS Enterprise?

Jesse Adams, North Point Geographic Solutions

218-491-4239; jesse@northpointgis.com

Jesse has been developing GIS desktop, mobile, and web applications since 2001. His main focus is database development and custom web, server, and mobile compatible applications. In 2009 Jesse began working full-time on his company North Point Geographic Solutions in Duluth, MN, which he has since grown to a small team of GIS and Software Development professionals.

Wednesday, May 23, Room 3314

4:00 PM: Coordinate Systems, Projections, and Datums, Oh My!

Steve Richter, Frontier Precision

320-267-0758; srichter@frontierprecision.com

Steve Richter is Vice President of Frontier Precision Inc, a measurement solutions provider for the last 30 years. He has provided geodetic technology lectures throughout his 29 year career in this discipline.

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Wednesday, May 23, Bluffs

4:00 PM: UMGEOCON Hosts – Lightning Round (7 Speakers)

ASPRS-WGLR, Kirk Contrucci, Quantum Spatial, Inc.

608-301-7600; kcontrucci@quantumspatial.com

Kirk is a veteran in the geospatial and aerial mapping fields, with more than 33 years of experience. The majority of his career was spent growing and leading Wisconsin-based aviation, aerial mapping, remote sensing and land surveying companies. He has solid experience at all levels of projects and operations, including executive management, business development, business planning and personnel management.

GITA, NICK GUERRERO, JR., Zenderro Consulting LLC

713-907-4887; nick@zenderro.com

Nick Guerrero began his career in the pipeline industry in the mid-seventies as a Supervisor with the responsibility of overseeing Texas Eastern Transmission Corporation's pipeline facilities' as built records. Since then, he has spent over four decades in the pipeline industry managing areas such as: facility records, as built, design & construction, operations and GIS.

ILGISA, MICAH WILLIAMSON, Cloudpoint Geographics

309-733-4285, mwilliamson@cloudpointgeo.com

Micah worked in local government for 12 years until the fall of 2012 when he moved into the private sector with Cloudpoint Geographics. Now he clamors across the Midwest implementing best practice GIS services to anyone who will allow. He is a second term board member with ILGISA and the first to be from the private sector.

IGIC, ADAM SKIBBE, University of Iowa

NA, adam-skibbe@uiowa.edu

My position within Geographical and Sustainability Sciences and College of Liberal Arts and Sciences is to offer GIS support to users in the department, college, and

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university as a whole. I am the chair of the University's GIS Technical Advisory Committee (TAC), which attempts to grow and focus the GIS community on campus.

MN GIS/LIS, GERRY SJERVEN, Minnesota Power

NA, gsjerven@mnpower.com

Gerry Sjerven is a Senior GIS Analyst with Minnesota Power. Prior to joining Minnesota Power, Gerry was a GIS Specialist at the Natural Resources Research Institute at the University of Minnesota - Duluth from 1996-2012.

SharedGeo, NANCY READ, Metropolitan Mosquito Control District

651-285-5015, nread@sharedgeo.org

Nancy has extensive experience in project management and evaluation, with a focus on developing collaborations and meeting customer needs. She has provided leadership in many intergovernmental workgroups developing solutions to shared geographic information needs, including serving as Project Manager on the Twin Cities MetroGIS Geocoder Project, and was recognized with a Polaris Leadership Award by the Minnesota GIS/LIS Consortium in 2009.

WLIA, MARTIN GOETTL, U of Wisconsin - Eau Claire

715-491-3689, goettlm@uwec.edu

Martin is currently the Geospatial Technology Facilitation at UWEC and had been for the last 7 years. He is responsible for hardware/software related to geospatial technologies for the Geography Department. Martin is a Past President of the WLIA and is currently serving as the President of the WLIA foundation.

Thursday, May 24, Room 3105

9:00 AM: GIS in the County Emergency Operation Center (EOC)

Randy Knippel, Dakota County, Minnesota

612-849-0266; randy.knippel@co.dakota.mn.us

Randy is GIS Manager at Dakota County where he has worked since 1994. He has been involved in a variety of activities related to implementing the U.S. National Grid. He serves on several committees for MetroGIS and MnGeo, including the Emergency Preparedness Committee. He has over 35 years of experience in geographic information science including cartography, photogrammetry, database design, programming, GIS analysis, and project management.

9:30 AM: Empowering Communities & Classrooms on the Value of Remote Sensing

Dan Bertalan, Into the Outdoors Education Network

608-512-9596, danb@discovermediaworks.com

Director of Production for the Emmy-winning Into the Outdoors Television network, Dan combines the odd mix of a geologist, science filmmaker and educational media developer in designing programs that empower students to think critically about their impact on Planet Earth. With 6 Emmys and hundreds of educational productions to his credit, his productions have been used in classroom curriculum nationally while his environmental documentaries have been broadcast on PBS in Minnesota, Wisconsin and Michigan.

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Thursday, May 24, Room 3110

9:00 AM: Enhancing Access to Historic Geospatial Data for Wisconsin's Coast

Codie See, Wisconsin State Cartographer's Office

608-669-7893, csee@wisc.edu

Codie joined the State Cartographer's Office in 2013 where his roles includes support for outreach and coordination as well as research, development and implementation of geospatial technologies. He provides project and technical leadership to the SCO Student Lab and projects such as the Statewide Parcel Mapping Initiative.

9:30 AM: Accessing Remote Sensing Data from NASA's LP DAAC

Danielle Golon, Innovate Inc, contractor to the USGS EROS

913-240-4971, danielle.golon.ctr@usgs.gov

Danielle Golon is the Science Communications Specialist for NASA's Land Processes Distributed Active Archive Center (LP DAAC). She currently resides in Saint Paul, Minnesota and if you use data distributed by the LP DAAC, she would like to speak with you later to learn how you are using the data.

Thursday, May 24, Room 3120

9:00 AM: Compass: Navigating Your Geospatial Data with Open Source Software

Bob Basques, SharedGeo

612-598-9210; bob.basques@ci.stpaul.mn.us

Bob has extensive experience with GIS web services and enterprise geospatial publishing projects. His efforts to date have focused on design and management of the data catalog for the St. Paul, Minnesota COMPASS mapping interface, which feeds over 300 enterprise spatial data sets to desktop applications such as AutoCAD, ESRI and open source software clients. The COMPASS application is built on the GeoMoose open source project software, of which Bob is a founding member.

Thursday, May 24, Room 3130

9:00 AM: GIS Tabular MSAG to GeoMSAG Conversion for NG9-1-1

David Peck, West Safety Services

562-619-2042; dpeck@west.com

David Peck focuses primarily on promoting understanding of the impact of GIS on emergency communications. He is passionate about helping the public safety community learn how to optimize GIS data within the NG911 call continuum for location validation, call routing and mapping. He has served GIS technology innovation & performance throughout 17 years' in creating, developing & implementing GIS platforms and workflows. His is active in the GIS community serving as a two time Chairman of the California Geographic Information Association in addition to being a member of numerous GIS User Groups actively speaking about the role of GIS in state, county and local government. Education: BA, California State University, Geography-GIS.

Thursday, May 24, Room 3310

9:00 AM: Getting Your Data Out There – How to Get Started Creating an Open Data Site

Nina Rihn, Wisconsin Department of Natural Resources

608-261-0760, antoINETte.rihn@wisconsin.gov

Nina developed the Wisconsin Department of Natural Resources Open Data Portal and assists programs across the agency in making their data more easily accessible to the public via the portal. She loves to show others just how easy it can be to create and share data to their own open data sites.

Thursday, May 24, Room 3314

9:00 AM: PANEL - IA, MN, & WI CORS/RTRN GNSS Networks (3 speakers)

Nathan Anderson, Minnesota Department of Transportation

651-366-3455, nathan.anderson@state.mn.us

Nathan Anderson is a Senior Land Surveyor with MnDOT's Office of Land Management Geodetic Unit and has earned a BS in Land Surveying and Mapping Science from St. Cloud State University. Nathan administers the Statewide Continuously Operating Reference System/Real Time Reference Network Global Navigation Satellite System (CORS/RTRN GNSS) activities associated with the operation of the existing and future network, so that all internal and external users' needs are met. He processes, analyzes, and perpetuates CORS station data for submittal to the NGS, MnDOT District Survey Offices, Geodetic database, and other interested parties throughout the nation. Nathan also coordinates, conducts and promotes all aspects of the network for inclusion into the NGS National Spatial Reference System (NSRS). Professional activities include memberships in MSPS and NSPS.

Norman Miller, Iowa Department of Transportation

NA, norman.miller@iowadot.us

Norman has been a surveyor with the Iowa Department of Transportation for 44 years and served on the organizing team for the Iowa Real Time Network. He has been Iowa DOT survey manager for the past 12 years. His Office manages and maintains the Iowa Real Time Network.

Elliot Smith, Wisconsin Department of Transportation

NA, Elliot.Smith@dot.wi.gov

Elliot P. Smith is a geodetic specialist at WisDOT. He is responsible for WISCORS day-to-day operation including hardware, software and telecommunications. Smith, who holds a bachelor's degree in Geography, joined WISDOT in 2004.

Thursday, May 24, Room 3105

10:30 AM: The Great Lakes Remote Sensing Collaboration Project

Brian Huberty, U. S. Fish & Wildlife Service

612 308 7306, brian_huberty@fws.gov

Brian Huberty is the lead remote sensing scientist for the U.S. Fish and Wildlife Service, Department of Interior. Mr. Huberty has B.S. and M.S. degrees from the University of Minnesota, College of Natural Resources specializing in geospatial, resource inventory systems. He is an ASPRS Certified Remote Sensing Scientist. Over the last three decades, he has applied remote sensing and geospatial assessment technologies for the Minnesota Department of Natural Resources, USDA Forest Service, USDA Natural Resources Conservation Service and U.S. Geological Survey. He owns a drone and an airplane but not a satellite...yet!

11:00 AM: A Multi-temporal Digital Surface Elevation Model of the Great Lakes Basin

Jim Klassen, SharedGeo

(612) 888-5340, jklassen@sharedgeo.org

Jim's childhood obsession with taking things apart to see how they worked morphed into a Physics and a Computer Engineering bachelors degrees and a M.S. in Natural Resource Science and Management from the University of Minnesota. He currently works at SharedGeo, a geospatial non-profit in Minnesota.
Screen reader support enabled.

11:30 AM: Landscape Change Along the Great Lakes Coastal Region

Keith Pelletier, University of Minnesota

802-522-5693, pelle155@umn.edu

Mr. Pelletier is a research scientist in the Department of Forest Resources at the University of Minnesota. Prior to joining UMN, he worked in the Spatial Analysis Lab at the University of Vermont, where he earned a Master's degree and taught GIS and remote sensing classes. Mr. Pelletier's research is focusing on developing new classification and assessment methods for object-based image analysis.

Thursday, May 24, Room 3110

10:30 AM: Unmanned Aircraft Systems – Safety and Applications

Peter Menet, Menet Aero, Inc.

CANCELLED

11:00 AM: Accuracy Matters: Trimble + Esri = Reliable GIS

Jay Riester, Seiler Instrument

314-302-9401, jriester@seilerinst.com

Jay is a Trimble Certified Trainer for Trimble Mapping GNSS products. Jay has a Geography degree from UW-Oshkosh and he has worked in the GPS/GIS data collection and Mobile Imagery industry for 22 years. Since 2007, Jay has worked for Seiler Instrument as a Senior Mapping Technical Support providing GNSS Field solutions, technical support and Geospatial Services to customers. Ask Jay about proper GNSS field data collection practices with Esri and Trimble mapping products.

11:30 AM: New Technology to Reduce Vegetation Remediation Costs

Jim Murray, Cyclomedia Technologies Inc

585-755-7005, jmurray@cyclomedia.com

Jim is a dynamic sales and marketing executive with a track record of successfully creating new imaging and airborne geospatial businesses. Jim's consultative management style, Fortune 500 account management skills, exceptional problem-solving abilities, team building, and a keen client needs assessment aptitude is invaluable for his success in assessing client project needs and providing outstanding solutions.

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10:30 AM: Minnesota DNR Recreation Compass

Steve Lime, Minnesota IT Services, Minnesota Department Natural Resources
651-485-5499, steve.lime@state.mn.us

Steve manages data and software development for MNIT Services at the Department of Natural Resources. He founded the open source MapServer project and is still an active developer.

11:00 AM: GeoMoose 3: React! OpenLayers! XML?

Dan Little, Boundless Geospatial
612-220-2919, theduckylittle@gmail.com

Dan "Ducky" Little is an avid Open Source, Racing, and Robotics enthusiast. He has been developing open source software for more than 10 years and is the primary developer of the GeoMoose project.

11:30 AM: Have Your Raspberry Pi (RPi3) and Eat It Too!

Bob Basques, SharedGeo
6125989210; bbasques@sharedgeo.org

Bob has extensive experience with GIS web services and enterprise geospatial publishing projects. His efforts to date have focused on design and management of the data catalog for the St. Paul, Minnesota COMPASS mapping interface, which feeds over 300 enterprise spatial data sets to desktop applications such as AutoCAD, ESRI and open source software clients. The COMPASS application is built on the GeoMoose open source project software, of which Bob is a founding member.

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Thursday, May 24, Room 3130

10:30 AM: Dirty Data Done Dirt Cheap

Mark McCart, HNTB/Iowa DOT

816-308-7959, mark.mccart@iowadot.us

Mark McCart is a GIS Systems Architect at HNTB and is currently assigned as an embedded contractor at the Iowa Department of Transportation. He graduated from the University of Alaska Fairbanks with a degree in Geography and has over 16 years of geospatial-related experience in both the public and private sectors.

11:00 AM: The Advance of Geospatial Data Standards in Minnesota

Geoffery Maas, Metropolitan Council

651.602.1638; geoffrey.maas@metc.state.mn.us

Geoff Maas is the MetroGIS Coordinator at the Metropolitan Council in St. Paul, Minnesota. He is also adjunct faculty at the University of Minnesota where he teaches GIS and Data Visualization to graduate students in public policy and urban planning the Humphrey School of Public Affairs. Since of April 2016, he has also served as the Chair of the Standards Committee of the Minnesota Geospatial Advisory Council.

11:30 AM: Journey into the Iowa DOT Matrix

Mark McCart, HNTB/Iowa DOT

816-308-7959, mark.mccart@iowadot.us

Mark McCart is a GIS Systems Architect at HNTB and is currently assigned as an embedded contractor at the Iowa Department of Transportation. He graduated from the University of Alaska Fairbanks with a degree in Geography and has over 16 years of geospatial-related experience in both the public and private sectors.

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10:30 AM: Panel - Petascale High Performance Computing (4 speakers)

Mark Korver, Amazon Web Services

206-669-3557, mkorver@amazon.com

Mark Korver is the Geospatial Lead on the Specialist Team at Amazon Web Services (AWS) and is based in Seattle. He supports AWS solution architects globally and is attached to larger geospatial customers. In addition, he represents the solution architecture team as the core storage expert. He holds a Master of City Planning from the Massachusetts Institute of Technology. Mark was raised in Japan and began his business career as founder of Alchemedia Inc. (Japan), a web application development company located in Tokyo, specializing in mapping and real-estate loan origination.

Paul Morin, Polar Geospatial Center, University of Minnesota

612-978-2964, pauljmorin@gmail.com

Paul Morin is Director of the Polar Geospatial Center, a National Science Foundation (NSF) science and logistics support center at the University of Minnesota. Morin serves as the National Academy of Sciences–appointed U.S. representative to the Standing Committee on Antarctic Geographic Information under the Scientific Committee for Antarctic Research (ie, the Antarctic Treaty System). One of his current projects is ArcticDEM a White House initiative to produce a high-resolution, time-dependent elevation model of the Arctic using the NSF Blue Waters Supercomputer at the University of Illinois Urbana-Champaign (Watch an E-Span video of President Obama describing the project). Morin has dozens of publications in a variety of fields including remote sensing, geoscience education, the carbon cycle, and scientific visualization.

Chris Doescher, USGS Earth Resources Observation and Science (EROS) Center

605-838-5526, cdoesch@usgs.gov

Prior to EROS, Chris Doescher worked for the National Geospatial-Intelligence Agency in St. Louis, Missouri, as a cartographer and process improvement engineer. His first 7 years were in production of precision targeting and airfield extraction followed by 2 years as process engineer for those operations areas.

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Chris started at EROS in 1998 assisting with integration of NASA delivered systems for the launch and early check out (on-orbit initialization and verification) of Landsat 7. Chris later transitioned to assist with the OhioView and AmericaView efforts for the USGS, establishing a MODIS Direct Broadcast capability, development of Global Visualization, other smaller engineering efforts, and startup of state-based academic consortiums throughout the U.S. Having experience on several new mission developments, he worked as the lead System Engineer and Project Manager on the Landsat Data Continuity Mission (LDCM) Project responsible for the capital planning, investment control, and management of USGS resources on several threads of LDCM (data buy, National Polar-orbiting Operational Environmental Satellite System (NPOES), and free flyer). Chris served 10 months as EROS Deputy Director in 2007/2008. Since then, he has been with the NASA Land Processes Distributed Active Archive Center (LP DAAC) as the USGS Mission Manager and now the LP DAAC Project manager.

Chris Doescher has a BS in Geography from South Dakota State University and a Project Management Professional (PMP) and Federal Acquisition Certification for Program and Project Managers (FAC P/PM) certifications.

Lanny Faleide, Satshot Inc.

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Lanny Faleide is President of Satshot of Fargo, ND which provides remote sensing to the agriculture community. Satshot has been at the forefront in developing processes and geo spatial web based distribution and analytic software cloud systems to use space based information to manage agricultural resources.

Lanny has over 20 years of experience in ag production. He attended North Dakota State University with emphasis in Ag Economics and GIS. In 1994, Faleide founded and developed Agri ImaGIS, now Satshot. Faleide also received the North Dakota Information Technology Department Entrepreneur Award in 2002.

Satshot provides imagery data and GIS integration services to customers across the world and through its SatShot Cloud system, allows users to easily access analytics of their vegetative biomass image to scout their fields from space via

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their mobile device to variable apply chemicals and fertilizer to the field in the most efficient method based on vegetative productivity.