We need your response on key actions!

- By-laws revision
- Nomination of officers for 2016
- Appointment of representatives to GSA Awards and Joint Technical Program committees

Bylaws revision
At the last two Division Annual Business Meetings there has been discussion about revising the by-laws to better conform with GSA guidelines, and to modify the number of officers and progression through leadership. Denise Hills chaired an ad hoc committee that drafted those revisions which we bring to you for ratification.

Nominations and elections of officers
Due to an unfortunate combination of circumstances, Division officers were unable to continue or take on new roles, which left us at the Annual Business meeting with no slate of incoming officers. We are seeking candidates to fill the positions of Chair, Vice-Chair, Secretary-Treasurer, and Student Representative (assuming the bylaw changes are approved by the membership). A ballot has been developed for Nominations of Division Officers and bylaw changes.

Appointment to JTPC and Awards Committee
The Division gets to appoint one person to the Joint Technical Program Committee to review proposals to Geoinformatics sessions, and work with other division representatives to move abstracts among sessions to find the best fits. Most of the work is done online over a one-two week period after the abstract submission deadline.

The Division is also requested to provide a representative on the GSA External Awards Committee. This is an important opportunity to help make sure Division members are considered for awards.

We are seeking candidates for both of these appointments. Please provide nominations for the above two positions to Pamela Fistell, pfistell@geosociety.org.
Call for nominations for the Division Award for Outstanding Contributions in Geoinformatics, for the GSA 2016 Annual Meeting

Nominations are being sought for the Division’s primary award “to an individual who has contributed in an outstanding manner to geology through the application of the principles of Geoinformatics. The individual will be a member of GSA.” Nominations can be submitted by email to Lee Allison at lee.allison@azgs.az.gov.

Submit nominations for Outstanding Contributions in Geoinformatics Award to be given at the Denver Annual Meeting!

Division Annual Report

Chair’s Report
This annual report is overdue as is the election of officers for the division. Unfortunately, our presumed incoming Division Chair had a major change in job duties that occurred only weeks before the GSA Annual Meeting that prevented him from taking over as Chair. We chose to use this as an opportunity to make changes in the division bylaws that have been discussed for several years, including the number and duties of officers and a standard advancement through leadership positions.

Denise Hills accepted chairing an ad hoc committee, with Jeffery Campbell, Sarah Ramdeen, and our student representative Jamie Ryan, to prepare recommendations for your consideration. The revised bylaws with annotations from the committee are attached for your review. Thanks to this group for undertaking a tedious chore with gusto and efficiency.

With the expected adoption of the bylaws, we will open nomination and election of a new slate of officers for the current term. Notice of the election will be sent out after we gather nominations.

We are also looking for candidates to serve on the GSA Joint Technical Program Committee which reviews abstracts and organizes Geoinformatics sessions for the next annual meeting, and for a representative on the GSA External Awards Committee.

Please go to the website to vote on the bylaw changes, nominate yourself and others for office, and recommend or volunteer to serve on the key GSA committees.

Lastly, I want to extend special thanks to Tiffany Rivera who served as Secretary-Treasurer of the Division for the past four years. Tiffany’s encyclopedic knowledge, dedication, and understanding of the system, provided continuity and insightful guidance.

Division Mission:
To bring together scientists interested in Geoinformatics; to facilitate the presentation and discussion of their problems and ideas; to stimulate communication among earth scientists and computer scientists; to promote research and the publication of results; to support development of new educational technologies; to support workshops in assisting the community to benefit from the use of technological
and scientific infrastructure to advance integrative science; and to advise and assist the officers and committees of the Society in matters pertaining to Geoinformatics.

**Officers:**
Chair: Lee Allison  
First Vice Chair: Bruce Herbert  
Second Vice Chair: TBD  
Secretary/treasurer: Tiffany Rivera  
Past Chair: Kerstin Lehnert  
Student Representative: James Ryan

**Management Board:**
Chair: Lee Allison  
First Vice Chair: Bruce Herbert  
Second Vice Chair: TBD  
Secretary/treasurer: Tiffany Rivera  
Past Chair: Kerstin Lehnert  
Student Representative: James Ryan

**Committees:**
**Program Committee:**  
Chair: Lee Allison  

**Nominating Committee:**  
Chair: Lee Allison  

**Geoinformatics Award Committee**  
Chair: Kerstin Lehnert  

**Selection Committee**  
Chair: Lee Allison  

**JTPC Representatives:**  
Lee Allison -2014/2015

**Membership Information:** 235 members (232 members in 2014)

**Newsletter and Publications:**
Website: [http://community.geosociety.org/geoinformaticsdivision/home](http://community.geosociety.org/geoinformaticsdivision/home)

**Fundraising and Awareness:**
The Division partnered with the EarthCube program to staff the Division exhibit booth at the 2014 Annual Meeting to raise awareness of community participation and funding opportunities in this showpiece NSF program in cyberinfrastructure and geoinformatics. The EarthCube Test Governance Project sponsored the Division reception following the annual business meeting.

**Financial Summary:**
Net Assets as of June 30, 2015: $14,211.40
Awards and Travel Grants:
The division’s “Outstanding Contributions in Geoinformatics” award was presented to Ian Jackson, British Geological Survey at the 2014 Annual Meeting in Vancouver, BC, Canada, by Dr. Lee Allison, incoming chair of the Geoinformatics Division.

Dr. Lesley Wyborn was nominated and selected for the 2015 “Outstanding Contributions in Geoinformatics” award, which will be presented to Dr. Wyborn at the 2015 Annual Meeting in Baltimore MD, with a citation by Dr. Lee Allison, Arizona Geological Survey.

Citation for Lesley Wyborn:
Dr Lesley Wyborn has built an international reputation for innovative leadership in geoinformatics and global e-research, particularly in the geoscience area. She is a tireless champion for building a strong and sustainable cohort of data scientists who are able to make use of the rapidly evolving computing technology and e-research infrastructure to help answer important geoscientific challenges. Dr Wyborn has also been an active participant in the international standards community, making significant contributions to the development of key international geoscience standards such as Geoscience Markup Language (GeoSciML) and has led the development and application of key Open Geospatial Consortium web services standards in Geoscience Australia.
The impact and influence of Dr Wyborn's work is substantial throughout her 40-year plus career, from her early more traditional geological field work based studies and findings in mineral systems, to her highly innovative international leadership in integrated geoscientific data management.

She has been hailed as “the most influential thought leader and practitioner in Australia in the field of cyber infrastructure,” with her work having tremendous impact across the geosciences and to other scientific domains and around the world. Among many other contributions, Lesley is the co-developer of the Australian Virtual Geophysics Laboratory (2012-2013), a novel workflow and processing approach which has not only had impact within the geophysics domain but has laid the groundwork for much broader application of these approaches across other geoscience, physical and broader environmental science domains.

Lesley is invariably gracious and generous in sharing – ideas, insights, and even her slides – to help support the community and move us forward. She is not only a technical leader in the world arena, but a facilitator, community-builder, and close friend to we who work in this burgeoning global community.

I cannot state too strongly how much Lesley Wyborn deserves the recognition and honor of the Geoinformatics Career Achievement Award of the Geological Society of America.

Response by Lesley Wyborn:
I am very honoured and extremely appreciative of the recognition this award confers and I would like to sincerely thank members of the Geoinformatics Division and the GSA: it is very humbling as an Australian to receive such an award from another country. However I cannot accept this award on my own, and would like to accept it on behalf of the many people I worked with in Geoscience Australia from 1972-2014 and more recently those at the National Computational Infrastructure (NCI) at the Australian National University.

I have only achieved this level of work in Geoinformatics through partnerships and collaborations with many international and national groups, and in particular, with colleagues from OneGeology, GeoSciML, Oceans Data Interoperability Platform (ODIP), International Geo Samples Number (IGSN), CSIRO and AuScope, and with funding support for many innovative informatics projects from the Australian Government National Collaboration Infrastructure Strategy (NCRIS).

In my 40+ year career I have seen many changes. I started as a field geologist in 1972 with paper notebooks, pencils and black and white aerial photographs (no GPS): data tables for publication were prepared on a manual typewriter. Now it is the age of the Internet with online digital data repositories that are coupled to research clouds and supercomputers. For data scientists their time finally has come, for it is the dawning of the fourth paradigm of data intensive science. Geoscientists can now take on research challenges at scales and resolutions never before possible.

I will always argue that my ability to contribute to the world of Geoinformatics was inspired by my early scientific training with my honors and PhD supervisors, the late Professors Tom Vallance and Bruce Chappell, who both instilled in me that science was about data and that “a true scientist is one whose data and conclusions can be independently verified”. In particular, Bruce would often say, “quantify your data and no one will argue with your science”. 
As a working mother of 3 children under 4, I learned early on the power of sharing and collaboration: not only was it more efficient and effective, it also meant that any developments and learnings could be pooled. You also quickly realise that ideas from outside your own closed community were often better than your own. And through these many collaborations, I met the most incredible, dedicated and brilliant people who contributed to building the global Geoinformatics and compute infrastructures that we have today.

And now in the twilight of my career, I am privileged to be working on one of Australia’s peak computing facilities at NCI, with yet another generation of scientists. I have access to a 1.2 Petaflop supercomputer that is closely coupled with 10 PetaBytes of Earth and other research data. The opportunities for Geoscientists are phenomenal. But what is even more exciting is that multiple types of geoscience data are now on the same infrastructure as climate, marine, oceanographic, environmental, biological, social science, and medical science data: true, data intensive transdisciplinary science is now an achievable objective.

**GSA Annual Meeting Activities:**
The Division organized both an oral and poster technical session for the 2015 Annual Meeting. In addition the Division co-sponsored a number of technical sessions with a variety of other GSA divisions and organizations. A list of the sessions and presentations is appended to this report. In all, there were approximately 45 events in Geoinformatics sessions or including Geoinformatics in the title or body of the talk.

The Geoinformatics Division 2015 exhibit hall booth provided a place for GSA members and meeting attendees to learn about NSF’s EarthCube program for developing a community-driven cyberinfrastructure to support the geosciences and ongoing projects in EarthCube. The Division also hosted an EarthCube and the international Belmont Forum e-Infrastructure & Data Management town hall.

The Division exhibit booth provided live, hands-on demonstrations of geoscience applications and software tools generated under the EarthCube program. The EarthCube Test Governance Project in turn sponsored the Geoinformatics Division reception following the annual business meeting on Tuesday evening, November 2.

**Lectures or Special Events:**
None

**Business Meeting Summary:**
The business meeting was held on Tuesday, November 2, 2015, 5:30 – 6:30 PM at the 2015 Annual Meeting in Baltimore MD, and was co-lead by past division chair Lehnert and current division chair Allison. Topics discussed with the attendees included the nomination (or the lack thereof) of new division officers and how to better reach out to the membership of the division, the use of the GSA Community web site for communication with the membership, and what the division should address in the future. The business meeting was followed by a reception, during which the ‘Outstanding
Contributions to Geoinformatics’ award was presented to Dr. Lesley Wyborn, from the Australian National University, and formerly, the Geological Survey of Australia.

**In-Coming Officers:**
- Chair: TBD
- First Vice-Chair: TBD
- Second Vice-Chair: TBD
- Secretary/Treasurer: TBD

**Emerging Needs:**

The issues raised last year are still valid and have only been partially addressed. With the rapidly growing need in all fields of the geosciences to address questions relating to the publication, citation, access, analysis, and integration of digital data, and with the requirements for research funded by the US federal government to be machine readable, open access, interoperable, and freely available, the Geoinformatics Division should be much more visible to and linked and integrated with other the other divisions within the GSA. As outlined by several of our past chairs, there is a clear Division role to better reach out to the broader GSA community, increase visibility and plan and conduct activities to increase awareness and knowledge of and participation in cyberinfrastructure development and use. The Division is working especially closely with the EarthCube community, but engaging a growing cadre of both US and international geoscience cyber and geoinformatics initiatives, including OneGeology, Research Data Alliance, Belmont Forum e-Infrastructure, COOPEUS, IGSN, National Data Repositories, IUGS-CGI, and others.

Annual Report Submitted By: Lee Allison
Reporting Period: October 1, 2015 - December 31, 2015
Date Report Submitted: December 30, 2015
1. **COMMUNITY-SUPPORTED DATA REPOSITORIES IN PALEOECOLOGY AND PALEOClimATOLOGY: THE ‘MIDDLE TAIL’ BETWEEN GEOSCIENTIFIC USERS AND GEOINFORMATICS**

No. 147-12 Presentation Time: 4:30 PM COMMUNITY-SUPPORTED DATA REPOSITORIES IN PALEOECOLOGY AND PALEOClimATOLOGY: THE ‘MIDDLE TAIL’ BETWEEN GEOSCIENTIFIC USERS AND GEOINFORMATICS WILLIAMS, John W., Department of Geography, University of Wisconsin-Madison, 550 N Park St, Madison, WI 53706, UHEN, Mark, Department of ...

2. **Geoinformatics**

Session No. 324 Wednesday, 4 November 2015: 1:30 PM-5:30 PM Room 349/350 (Baltimore Convention Center) Geoinformatics M. Lee Allison and Kerstin Lehnert, Chairs Paper # Start Time 324-1 1:30 PM FOCUSING ON THE INDIVIDUAL: CHANGING EVERYDAY PRACTICES IN ...

3. **Geoinformatics (Posters)**

Session No. 29 Sunday, 1 November 2015: 9:00 AM-5:30 PM Exhibit Hall (Baltimore Convention Center) Geoinformatics (Posters) Authors will be present from 3:30 to 5:30 PM. Paper # Booth # 29-1 94 EVALUATING THE ACCURACY OF LINEAR AND ...

4. **GSA Geoinformatics Division Reception**

Session No. Tuesday, 3 November 2015: 6:30 PM-7:30 PM Poe B (Hilton Baltimore) GSA Geoinformatics Division Reception M. Lee Allison, On-site Contact See more of: Other Daily Events << Previous Event | Next Event >> ...

5. **GSA Geoinformatics Division Business Meeting**

Session No. Tuesday, 3 November 2015: 5:30 PM-6:30 PM Calloway (Hilton Baltimore) GSA Geoinformatics Division Business Meeting M. Lee Allison, On-site Contact See more of: Other Daily Events << Previous Event | Next Event ...

6. **THE DEVELOPMENT AND USE OF A DATA LIFECYCLE MODEL IN A FEDERAL SCIENCE AGENCY**

... are presented that demonstrate incorporation of the model into the workflow of active USGS research projects. Session No. 29--Booth# 99 Geoinformatics (Posters) Sunday, 1 November 2015: 9:00 AM-5:30 PM Exhibit Hall (Baltimore Convention Center) Geological Society of America Abstracts with Programs. ...

7. **CYBERINFRASTRUCTURE FOR STRUCTURAL GEOLOGY AND TECTONICS**

... have also carried out pilot projects connected with a field camp, student research, and an EarthCube RCN. Session No. 324 Geoinformatics Wednesday, 4 November 2015: 1:30 PM-5:30 PM Room 349/350 (Baltimore Convention Center) Geological Society of America Abstracts with Programs. Vol. ...
8. **INTERDISCIPLINARY EARTH DATA ALLIANCE (IEDA): A MODEL FOR A COLLABORATIVE DATA FACILITY THAT ENHANCES COMMUNITY-DRIVEN DATA SERVICES IN THE SOLID EARTH SCIENCES**

... developed within EarthCube to ensure that all resources of Alliance partners are brought into the EarthCube framework. Session No. 324 Geoinformatics Wednesday, 4 November 2015: 1:30 PM-5:30 PM Room 349/350 (Baltimore Convention Center) Geological Society of America Abstracts with Programs. Vol. ... 

9. **EARTH-CENTERED COMMUNICATION FOR CYBERINFRASTRUCTURE (EC3): INCORPORATING A JOINT CYBER-SCIENCE AND GEOSCIENCE PERSPECTIVE INTO DESIGNING FIELD DATA MANAGEMENT SYSTEMS**

... with current cyberinfrastructure activities to make field collection more efficient and real-time data synthesis more feasible. Session No. 29--Booth# 96 Geoinformatics (Posters) Sunday, 1 November 2015: 9:00 AM-5:30 PM Exhibit Hall (Baltimore Convention Center) Geological Society of America Abstracts with Programs. ... 

10. **GUIDING DEVELOPMENT OF A GEOSCIENCE-FOCUSED SEMANTIC WEB APP: END-USER ENGAGEMENT IN THE EARTHCOLLAB PROJECT**

... the VIVO application can be further tailored to a geoscience-centered use case. Handouts EarthCollab-VIVO-GSAPoster.pdf (7.6 MB) Session No. 29--Booth# 100 Geoinformatics (Posters) Sunday, 1 November 2015: 9:00 AM-5:30 PM Exhibit Hall (Baltimore Convention Center) Geological Society of America Abstracts with Programs. ... 

12. **AUGMENTING GROUND-BASED 3-D MODELING WITH UAV PHOTOGRAPHY**

... having a UAV to augment photo acquisition increased the overall coverage and quality of our models. Session No. 29--Booth# 95 Geoinformatics (Posters) Sunday, 1 November 2015: 9:00 AM-5:30 PM Exhibit Hall (Baltimore Convention Center) Geological Society of America Abstracts with Programs. ... 

13. **WORKFLOW FOR CONSERVING AND DIGITIZING HISTORIC MICROFOSSIL COLLECTIONS AT THE AMERICAN MUSEUM OF NATURAL HISTORY**

... al 2015 - Workflow for conserving and digitizing historic microfossil collections at the AMNH.pdf (1.7 MB) Session No. 29--Booth# 98 Geoinformatics (Posters) Sunday, 1 November 2015: 9:00 AM-5:30 PM Exhibit Hall (Baltimore Convention Center) Geological Society of America Abstracts with Programs. ... 

15. **COMBINING KNOWLEDGE IN INTELLIGENT SYSTEMS WITH GEOSCIENCES TO EXPLORE AN EMERGING SET OF RESEARCH OPPORTUNITIES**

... advances at the intersection between Geosciences and Intelligent Systems will enable novel forms of reasoning and learning. Session No. 324 Geoinformatics Wednesday, 4 November 2015: 1:30 PM-5:30 PM Room 349/350 (Baltimore Convention Center) Geological Society of America Abstracts with Programs. Vol. ...
16. **THE INTERNET OF SAMPLES IN THE EARTH SCIENCES: GRADUATE STUDENTS INVESTED IN THE FUTURE OF PHYSICAL SAMPLES**

... may face challenges when trying to implement new practices, where existing practices have long been in place. Session No. 324 Geoinformatics Wednesday, 4 November 2015: 1:30 PM-5:30 PM Room 349/350 (Baltimore Convention Center) Geological Society of America Abstracts with Programs. Vol. ...  

17. **UNDERSTANDING THE PAST TO CREATE A FUTURE - MODERNIZING THE U.S. GEOLOGICAL SURVEY PALEONTOLOGICAL COLLECTIONS**

... use of standards-based web servicing techniques to expose USGS paleontological data to other users and systems. Session No. 29--Booth# 97 Geoinformatics (Posters) Sunday, 1 November 2015: 9:00 AM-5:30 PM Exhibit Hall (Baltimore Convention Center) Geological Society of America Abstracts with Programs. ...  

18. **DEEP-TIME DATA INFRASTRUCTURE: INTEGRATING OUR CURRENT GEOLOGIC DATABASES**

... will allow geoscientists to bridge gaps in data and further our understanding of our Earth’s history. Session No. 29--Booth# 101 Geoinformatics (Posters) Sunday, 1 November 2015: 9:00 AM-5:30 PM Exhibit Hall (Baltimore Convention Center) Geological Society of America Abstracts with Programs. ...  

19. **THE WEB SERVICE BASED APPROACH FOR DATA DISTRIBUTION AT THE IRIS DMC**

... lessons learned are applicable to distribution from any geoscience data repository and beyond. Handouts GSA2015-324-8-IRISDMC-WebServices-final.pptx (1.5 MB) Session No. 324 Geoinformatics Wednesday, 4 November 2015: 1:30 PM-5:30 PM Room 349/350 (Baltimore Convention Center) Geological Society of America Abstracts with Programs. Vol. ...  

21. **Quaternary Geology: Melting Ice, Sea-Level Change, and New Insights into Old Geomorphic Paradigms**

... TX 78712, mwiemann@fs.fed.us 147-12 4:30 PM COMMUNITY-SUPPORTED DATA REPOSITORIES IN PALEOECOLOGY AND PALEOClimATOLOGY:Â THE â??MIDDLE TAILâ?? BETWEEN GEOSCIENTIFIC USERS AND GEOINFORMATICS WILLIAMS, John W., Department of Geography, University of Wisconsin-Madison, 550 N Park St, Madison, WI 53706, UHEN, Mark, Department of ...  

22. **MOBILE AND WEB-BASED APPLICATIONS FOR GEOSCIENCE FIELD DATA MANAGEMENT**

... and populate them as GML format so that field visualization on Google Earth can be easily achieved. Session No. 324 Geoinformatics Wednesday, 4 November 2015: 1:30 PM-5:30 PM Room 349/350 (Baltimore Convention Center) Geological Society of America Abstracts with Programs. Vol. ...  

23. **DESIGN OF THE NATIONAL AGRICULTURAL LIBRARY’S DATA REPOSITORY AND DATA MANAGEMENT SERVICES**

... data format recommendations, adoptions of standards, and application of multiple controlled keyword vocabularies to promote interdisciplinary access. Session No. 324 Geoinformatics Wednesday, 4 November 2015: 1:30 PM-5:30 PM Room 349/350 (Baltimore Convention Center) Geological Society of America Abstracts with Programs. Vol. ...
24. **E-INFRASTRUCTURE AND DATA MANAGEMENT IN SUPPORT OF GLOBAL CHANGE RESEARCH**

... recommendations is contributing to national governments and funding agencies and international bodies working together to execute them. Session No. 324 Geoinformatics Wednesday, 4 November 2015: 1:30 PM-5:30 PM Room 349/350 (Baltimore Convention Center) Geological Society of America Abstracts with Programs. Vol. ...

25. **BUILDING AN AUSTRALIAN PETASCALE DATA REPOSITORY TO SUPPORT GEOSCIENCE RESEARCH AND BEYOND: IS CENTRALIZATION THE WAY FORWARD?**

... support not only the Geosciences, but also the inclusion of geoscience data in multiple interdisciplinary research projects. Session No. 324 Geoinformatics Wednesday, 4 November 2015: 1:30 PM-5:30 PM Room 349/350 (Baltimore Convention Center) Geological Society of America Abstracts with Programs. Vol. ...

26. **T70. Digital Technology in Real and Virtual Geoscience Experiences (Posters)**

... 2015: 9:00 AM-5:30 PM Exhibit Hall (Baltimore Convention Center) T70. Digital Technology in Real and Virtual Geoscience Experiences (Posters) GSA Geoinformatics Division; GSA Environmental and Engineering Geology Division; GSA Geology and Health Division; GSA Geology and Society Division; GSA Geophysics Division; ...

27. **T58. Undergraduate Research Talks: The Next Step in Student Research Projects**

... Research Talks: The Next Step in Student Research Projects GSA Geoscience Education Division; GSA Quaternary Geology and Geomorphology Division; GSA Geoinformatics Division; Council on Undergraduate Research Geosciences Division Jacqueline A. Smith, Bradley G. Johnson and Edward C. Hansen, Session Chairs Paper # ...

28. **T44. Our Data Belong in Our Hands: 3-D Printing—The Future of Geoscience Research and Education (Posters)**

... (Baltimore Convention Center) T44. Our Data Belong in Our Hands: 3-D Printing - The Future of Geoscience Research and Education (Posters) GSA Geoinformatics Division; GSA Quaternary Geology and Geomorphology Division Authors will be present from 3:30 to 5:30 PM. Paper # Booth # 30-1 102 ...

29. **T46. Using Digitized Data in Geological and Paleontological Research I**

... Using Digitized Data in Geological and Paleontological Research I Paleontological Society; Society for the Preservation of Natural History Collections; GSA Geoinformatics Division; EarthCube C4P; iSamples Talia S. Karim and Gil Nelson, Session Chairs Paper # Start Time 239-1 1:30 PM THE FOSSIL PROJECT: ... 

30. **T46. Using Digitized Data in Geological and Paleontological Research II**

... Using Digitized Data in Geological and Paleontological Research II Paleontological Society; Society for the Preservation of Natural History Collections; GSA Geoinformatics Division; EarthCube C4P; iSamples Talia S. Karim and Gil Nelson, Session Chairs Paper # Start Time 270-1 8:00 AM MORPHOLOGICAL IMAGING AND ...

... of G.R. Keller GSA Geophysics Division; GSA Structural Geology and Tectonics Division; GSA Mineralogy, Geochemistry, Petrology, and Volcanology Division; GSA Geoinformatics Division Kevin L. Mickus, Catherine M. Snelson and Dennis L. Harry, Session Chairs Paper # Start Time 8:00 AM Introductory Remarks ...

32. **T70. Digital Technology in Real and Virtual Geoscience Experiences II**

... 2015: 1:30 PM-5:30 PM Room 339 (Baltimore Convention Center) T70. Digital Technology in Real and Virtual Geoscience Experiences II GSA Geoinformatics Division; GSA Environmental and Engineering Geology Division; GSA Geology and Health Division; GSA Geology and Society Division; GSA Geophysics Division; ...

33. **T215. Novel Methods, Applications, and Data Interpretations in Thermochronology**

... Convention Center) T215. Novel Methods, Applications, and Data Interpretations in Thermochronology Geochemical Society; GSA Structural Geology and Tectonics Division; GSA Geoinformatics Division; GSA Mineralogy, Geochemistry, Petrology, and Volcanology Division Alexis K. Ault and William R. Guenthner, Session Chairs Paper # Start Time 104-1 ...

34. **T70. Digital Technology in Real and Virtual Geoscience Experiences I**

... 2015: 8:00 AM-12:00 PM Room 339 (Baltimore Convention Center) T70. Digital Technology in Real and Virtual Geoscience Experiences I GSA Geoinformatics Division; GSA Environmental and Engineering Geology Division; GSA Geology and Health Division; GSA Geology and Society Division; GSA Geophysics Division; ...

35. **T110. Satellite Remote Sensing Applications in Hydrology and Geology**

... 8:00 AM-12:00 PM Room 341 (Baltimore Convention Center) T110. Satellite Remote Sensing Applications in HydrologyÂ and Geology GSA Hydrogeology Division; GSA Geoinformatics Division; GSA Geology and Society Division Richard Becker and Adam M. Milewski, Session Chairs Paper # Start Time 8:00 AM Introductory ...

36. **T56. Landslide Inventories and Time Series: Data Collection, Statistics, Geospatial Analysis, and Relationships to Other Geohazards**

... Geospatial Analysis, and Relationships to Other Geohazards GSA Environmental and Engineering Geology Division; GSA Quaternary Geology and Geomorphology Division; GSA Geoinformatics Division Martin Klose, Dalia B. Kirschbaum, Lynn M. Highland and Bodo Damm, Session Chairs Paper # Start Time 8:00 AM Introductory ...

38. **INTERDISCIPLINARY GEOSCIENCE DATA IN FIELD CONTEXT USING FLYOVER COUNTRY, A MOBILE APP**

... testbed for data services’ ability to quickly provide data in a geographically constrained, lightweight, and flexible manner. Session No. 324 Geoinformatics Wednesday, 4 November 2015: 1:30 PM-5:30 PM

   Center) T215. Novel Methods, Applications, and Data Interpretations in Thermochronology (Posters)
   Geochemical Society; GSA Structural Geology and Tectonics Division; GSA Geoinformatics Division; GSA Mineralogy, Geochemistry, Petrology, and Volcanology Division Authors will be present from 4:30 to 6:30 PM. Paper # Booth # 144-1 ...

40. **P4. Similar Information, Different Results: Fracking from State to State**

   P4. Similar Information, Different Results: Fracking from State to State GSA Geology and Society Division; GSA Energy Geology Division; GSA Geoinformatics Division R. Laurence Davis and Christopher P. Carlson, Conveners Paper # Start Time 1:30 PM Introductory Remarks 235-1 1:40 PM HYDRAULIC ...

41. **T46. Using Digitized Data in Geological and Paleontological Research (Posters)**

   Using Digitized Data in Geological and Paleontological Research (Posters) Paleontological Society; Society for the Preservation of Natural History Collections; GSA Geoinformatics Division; EarthCube C4P; iSamples Authors will be present from 4:30 to 6:30 PM. Paper # Booth # 290-1 68 IMPLEMENTING SPECIFY 6 ...

42. **T56. Landslide Inventories and Time Series: Data Collection, Statistics, Geospatial Analysis, and Relationships to Other Geohazards (Posters)**

   Analysis, and Relationships to Other Geohazards (Posters) GSA Environmental and Engineering Geology Division; GSA Quaternary Geology and Geomorphology Division; GSA Geoinformatics Division Authors will be present from 4:30 to 6:30 PM. Paper # Booth # 213-1 209 BUILDING A STATEWIDE INVENTORY OF LANDSLIDES ...

43. **T59. Advances in Crustal Geophysics and Tectonics II: In Honor of G.R. Keller**

   of G.R. Keller GSA Geophysics Division; GSA Structural Geology and Tectonics Division; GSA Mineralogy, Geochemistry, Petrology, and Volcanology Division; GSA Geoinformatics Division Kevin L. Mickus, Catherine M. Snelson and Dennis L. Harry, Session Chairs Paper # Start Time 1:30 PM Introductory Remarks ...

44. **SEEKING COMMUNITY GUIDANCE ON GEOSCIENCE CYBERINFRASTRUCTURE**

   to put into practice the science, technical, and organizational plans that have and are continuing to emerge. Session No. 324 Geoinformatics Wednesday, 4 November 2015: 1:30 PM-5:30 PM Room 349/350 (Baltimore Convention Center) Geological Society of America Abstracts with Programs. Vol ...

45. **STATE GEOLOGICAL SURVEYS’ ROLE IN DATA MANAGEMENT, PRESERVATION, AND RESCUE**

   that GSA continues to use best practices and standards for sample identification, documentation, citation, curation, and sharing. Session No. 324 Geoinformatics Wednesday, 4 November 2015: 1:30 PM-5:30 PM Room 349/350 (Baltimore Convention Center) Geological Society of America Abstracts with Programs. Vol ...
46. **FOCUSING ON THE INDIVIDUAL: CHANGING EVERYDAY PRACTICES IN RESPONSE TO LARGE-SCALE CYBERINFRASTRUCTURE**


47. **EVALUATING THE ACCURACY OF LINEAR AND GEOSTATISTICAL INTERPOLATION METHODS IN SUBSURFACE MAPPING**

... sampling every time and allowing summary statistics to be evaluated rigorously and consistently across the study. Session No. 29--Booth# 94 Geoinformatics (Posters) Sunday, 1 November 2015: 9:00 AM-5:30 PM Exhibit Hall (Baltimore Convention Center) Geological Society of America Abstracts with Programs. ...


... role of geoarchaeologists during our current “Digital Age of Information.” The advent of a global culture that promotes widely available geoinformatics poses some challenges to our discipline (e.g.,: post no geotagged photos of site finds). Archaeological Geologists must continually promote ethics ...