GSA 2017 Annual Meeting Events for Educators

GSA’s Education, Communication and Outreach Department is stepping up its offerings for teachers of Earth Science both at the annual meeting in Seattle and in communities near you. At the annual meeting from October 20-25 activities for teachers include:

FRIDAY, OCTOBER 20

- Pre-Meeting Field trips specifically recommended for teachers:
  - 406. Tsunamis in the Salish Sea: Recurrence, Sources, Hazards
  - 409. Geology of Seattle

SATURDAY, OCTOBER 21

- Pre-Meeting Field trips specifically recommended for teachers:
  - 410. Rivers Gone Wild: Extreme Landscape Response to Climate Induced Flooding and Debris Flows, and Implications to Long Term Management at Mount Rainier National Park
  - 413. Mount St. Helens-Its 1980 Eruption and Subsequent Hydrogeomorphic & Ecological Responses

- Short Courses
  - 512. Helping Students Thrive in Geoscience at Two-Year Colleges: Selected Strategies
  8:30 AM – 4:30 PM Sheraton Greenwood
  - 520. Preparing for a Career in the Geosciences - 8:00 AM – Noon Sheraton, Columbia
  - 522. Global Geoheritage: Examples and Applications – 1:00 – 5:00 PM Sheraton, Columbia
  - 523. Taking Students into the Field on Their Own Time: Using the Free, NSF-Funded Flyover Country Mobile App to Design Student Self-Guided Field Experiences – 1:00 – 5:00 PM WSCC 211

SUNDAY, OCTOBER 22

- AM Technical Sessions – Sun, Oct. 22, 8:00 AM – 12:00 PM
  - 17 T102 Beyond the Road Cut: Virtual, Local and Non-traditional Field Teaching & Learning Experiences - WSCC 2B
  - 18 T127 Supporting Geoscience Transfer Between Institutions and Transitions in the Workforce: Pathways to Success - WSCC 2A

- Poster Sessions – Sun, Oct. 22, 9 AM – 5:30 PM WSCC Exhibit Hall E,F
  - 76 T102 Beyond the Road Cut: Virtual, Local and Non-traditional “Field” Teaching & Learning Experiences - Booth 239 – 245
 o  **77 T118** Integration of Field & Laboratory-Based Experience Toward Designing Pedagogically Sound Curriculum Enhancement Activities in the Geosciences - Booth 246 - 259
 o  **78 T127** Supporting Geoscience Transfer Between Institutions and Transitions in the Workforce: Pathways to Success - Booth 260 - 272
 o  **79 T132** Undergraduate Research Posters Showcasing Research by 2YC and 4YC Geoscience Students – Booth 273 - 297

- **Washington Geology: Presentations to the Public & Geocaching Community** – Sun, Oct. 22 1:00 – 4:00 PM - TBD
  Learn About Geology of Seattle Area Via Earthcaches from the Experts

- **PM Technical Sessions** – Sun, Oct. 22, 1:30 – 5:30 PM
  - **33 D25** International Field Experiences in the Digital Age & Adapting Mental Models by Using Food for Teaching Sun. Oct. 22 1:30 – 5:30 WSCC 3A
  - **45 T99** Augmented and Virtual Reality in Geoscience Education - WSCC 2A
  - **46 T128** Teaching About the Earth On-line - WSCC 2B

- **Geoscience Educators Reception** – Sun., Oct. 22 6:30 – 8:00 PM Seattle Sheraton, Ballroom A
  Network with Fellow Teachers & Geoscience Educators

**MONDAY, OCTOBER 23**

- **AM Technical Sessions** – Mon, Oct. 23, 8:00 AM – 12:00 PM
  - **96 T31** GeoCorps and Geoscientists-in-the-Parks Internships on Public Lands: Providing Career Development Opportunities for Students & Recent Graduates - WSCC 612
  - **103 T100** Barriers, Misconceptions & Progress in Improving Climate Literacy and Strategies for Communicating About Climate Change – WSCC 3A
  - **104 T122** On the Cutting Edge: Fifteen Years of Impacts on Geoscience Education – WSCC 2A

- **Poster Sessions** – Mon, Oct. 23, 9 AM – 6:30 PM WSCC Exhibit Hall E,F
  - **162 T104** Broader Impacts Activities as Vehicles for Filling the Geoscience Pipeline – Booths 158 - 168
  - **163 T122** On the Cutting Edge: Fifteen Years of Impacts on Geoscience Education – Booth 169 - 180
  - **164 T129** The Challenge of Defining Student Success: Broadening Participation, Measuring Success, and Preparing 2YC and 4 YC Students for a Variety of Transitions – Booth 181 - 190
  - **165 T135** Comedy in the Geosciences – Booth 191 - 197
  - **166 T138** Geology Rocks! A Musical Session on the Sounds of Science – Booth 198 - 208

- **No Means No: How to Step Up and Stop Harassment** - 12-1:30 PM WSCC Ballroom 6B
  Learn how to recognize harassment for what it is, how to decide when to step up and step in, and approaches and methods that work to stop harassing and bullying behavior.

- **Exhibit Hall Tours** - Time By Arrangement, WSCC Exhibit Hall
Tour the Exhibit Hall & Interact with Geoscientists (for K-12 teachers & their students) Contact Michael O’Neil

- PM Technical Sessions – Mon, Oct. 23, 1:30 – 5:30 PM
  - 137 T113 Geoscience Education Research: Implications for Undergraduate Geoscience Teaching & Learning - WSCC 2A
  - 138 T124 Practical Advice for In-Service & Pre-Service Earth Science Teacher Preparation & Professional Development - WSCC 3A

TUESDAY, OCTOBER 24

- AM Technical Sessions – Tue, Oct. 24, 8:00 AM – 12:00 PM
  - 203 T105 Building an Inclusive Geoscience Community Today for Tomorrow I – WSCC 2A
  - 204 T115 Hands-on Teaching Demonstrations that Combine Geoscience & Societal Issues: Audience Participation Requested! – WSCC 3A
  - 205 T120 Making Things Visible: Actions & Expressions of Problem Solving & Decision Making in the Geosciences - WSCC 2B

- Poster Sessions – Tue, Oct. 24, 9 AM – 6:30 PM WSCC Exhibit Hall E,F
  - 258 T111 Geology & Hydrology in the National Parks: Research, Mapping & Resource Management - Booth 67 - 76
  - 259 T113 Geoscience Education Research: Implications for Undergraduate Geoscience Teaching & Learning - Booth 77 - 90
  - 261 T121 Natural History Museums in the 21st Century - Programming the Future While Preserving the Past - Booth 95 - 100
  - 262 T123 Pedagogical Applications of Point Cloud Collection & Manipulation - Booth 101 - 112
  - 263 T124 Practical Advice for In-Service & Pre-Service Earth Science Teacher Preparation & Professional Development - Booth 113 - 118

  Learn How to Organize a Teen Science Café in your Area

- Exhibit Hall Tours – Time By Arrangement, WSCC Exhibit Hall
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- NAGT Awards Luncheon – Tues., Oct. 24 11:30 AM – 1:00 PM - Sheraton Hotel Metropolitan Ballroom A
  Honor Geoscience Educators for their Achievements. Tickets Must be Purchased in Advance

- PM Technical Sessions – Tue, Oct. 24, 1:30 – 5:30 PM
Better Together: Partnerships That Facilitate or Enhance Experiential Learning in Geoscience Education - WSCC 3A

Building an Inclusive Geoscience Community Today for Tomorrow II - WSCC 2A

Getting it Done: Experiences of Implementing the Framework & NGSS in Earth & Space Sciences - WSCC 2B

WEDNESDAY, OCTOBER 25

- **AM Technical Sessions** – Wed, Oct. 25, 8:00 AM – 12:00 PM
  - 310 T121 Natural History Museums in the 21st Century - Programming the Future While Preserving the Past I - WSCC 3A
  - 311 T131 Translating Professional Development Experiences into the Classroom I – WSCC 2A

- **Poster Sessions** – Wed, Oct. 25, 9 AM – 6:30 PM WSCC Exhibit Hall E,F
  - 362 T101 Better Together: Partnerships That Facilitate or Enhance Experiential Learning in Geoscience Education – Booth 142 - 150
  - 363 T105 Building an Inclusive Geoscience Community Today for Tomorrow – Booth 151 - 156
  - 364 T110 Engaging Students Through Undergraduate Course-Based Research Experiences (CURE) Across the Geoscience Curriculum – Booth 157 - 160
  - 365 T114 Getting it Done: Experiences of Implementing the Framework & NGSS in Earth & Space Sciences - Booth 161 - 168

- **PM Technical Sessions** – Wed, Oct. 25, 1:30 – 5:30 PM
  - 333 T110 Engaging Students Through Undergraduate Course-Based Research Experiences (CURE) Across the Geoscience Curriculum – WSCC 2B
  - 335 T121 Natural History Museums in the 21st Century - Programming the Future While Preserving the Past II - WSCC 3A
  - 336 T131 Translating Professional Development Experiences into the Classroom II – WSCC 2A

There will be a GSA Programs booth in the GSA Headquarters area of the Exhibit Hall where you can meet the GSA Education staff for dialogue when we are not otherwise engaged.

Early registration deadline is September 18! Continuing education units are also available for attending many of these events. A link will be posted after the meeting with details on getting the certificate.