Each year for the AAG Annual Meeting, NCRGE organizes and compiles a track of papers, posters, and panels focusing on geography education research. NCRGE is sponsoring this track to raise the visibility of research in geography education, grow the NCRGE research coordination network, and provide productive spaces for discussion about geography education research and what makes research in the field potentially transformative. Full abstracts and session descriptions are available in the online AAG Annual Meeting Program.

**Tuesday, April 7**
Panel: Publishing in Geography Education Journals: Perspectives from the Editors
8:40 AM – 9:55 AM in Mineral Hall A, Hyatt Regency, Third Floor

Panel: Symposium on Human Dynamics Research: Teaching GIS Programming
10:15 AM – 11:30 AM in Tower Court C, Sheraton, IM Pei Tower, Second Floor Level

**Wednesday, April 8**

<table>
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<tr>
<th>Symposium on Transformative Research</th>
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<td><em>This symposium focuses on the work of NCRGE research coordination network members. Panelists will discuss how they are building research network in five areas: 1) Geography and GIS learning in libraries, 2) Geocomputational education, 3) Powerful Geography, 4) Large-scale educational assessment research, and 5) Food, energy, and water education. The symposium is open to all AAG Annual Meeting participants.</em></td>
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<tr>
<td>Panel: Transformative Research in Geography Education</td>
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<td>11:10 AM – 12:25 PM in Granite A, Hyatt Regency, Third Floor</td>
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<tr>
<td>Panel: Using NAEP Geography Assessment Datasets to Improve Geography Education</td>
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<tr>
<td>1:45 PM – 3:00 PM in Capitol Ballroom 5, Hyatt Regency, Fourth Floor</td>
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<tr>
<td>Panel: Powerful Geography: A New Conceptual Approach to Geography Education</td>
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<tr>
<td>3:20 PM – 4:35 PM in Granite A, Hyatt Regency, Third Floor</td>
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Paper: Role of Libraries in Geography and GIS Education I
8:00 AM – 9:15 AM in Plaza Court 8, Sheraton, Concourse Level

Panel: Roundtable Discussion (Part 2): Future of Geography Education
9:35 AM – 10:50 AM in Savoy, Sheraton Denver Downtown
Paper: Role of Libraries in Geography and GIS Education II
9:35 AM – 10:50 AM in Plaza Court 8, Sheraton, Concourse Level

Panel: An open discussion on engaging your classes in research
1:45 PM – 3:00 PM in Mineral Hall A, Hyatt Regency, Third Floor

Paper: Transdisciplinary Perspectives on Spatial Thinking and Cognition I
1:45 PM – 3:00 PM in Tower Court B, Sheraton, IM Pei Tower, Second Floor Level

Paper: Transdisciplinary Perspectives on Spatial Thinking and Cognition II
3:20 PM – 4:35 PM in Tower Court B, Sheraton, IM Pei Tower, Second Floor Level

Paper: Open Education in Geography: Research, Outcomes, and Efficacy
3:20 PM – 4:35 PM in Silver, Sheraton, IM Pei Tower, Majestic Level

Paper: Transdisciplinary Perspectives on Spatial Thinking and Cognition III
4:55 PM – 6:10PM in Tower Court B, Sheraton, IM Pei Tower, Second Floor Level

Panel: What’s in a Name? Undergraduate Student Perceptions of Geography, Environment, and Sustainability Key Words and Program Names
4:55 PM – 6:10 PM in Capitol Ballroom 1, Hyatt Regency, Fourth Floor

Panel: Community engagement and service-learning in geography in higher education: Towards a comparative research agenda
4:55 PM – 6:10 PM Agate C, Hyatt Regency, Fourth Floor

Thursday, April 9
Paper: Education for Innovativeness- Perspectives from Geography Education
8:00 AM – 9:15 AM in Agate C, Hyatt Regency, Fourth Floor

Paper: Teaching, Learning and Curriculum Development
8:00 AM – 9:15 AM in Plaza Court 3, Sheraton, Concourse Level

Paper: Online Geography Education & Its Role in Expanding the Community of Geographers, Session 1
8:00 AM – 9:15 AM in Capitol Ballroom 1, Hyatt Regency, Fourth Floor

Paper: Teaching, Learning and Curriculum Development II
9:35 AM – 10:50 AM in Plaza Court 3, Sheraton, Concourse Level

Paper: Online Geography Education & Its Role in Expanding the Community of Geographers, Session 2
9:35 AM – 10:50 AM in Capitol Ballroom 1, Hyatt Regency, Fourth Floor

Paper: Geography Education: Perspectives on Advancing K-12 Learning
11:10 AM – 12:25 PM in Gold, Sheraton, IM Pei Tower, Majestic Level

Panel: Progress toward a Trends in International Geography Assessment Study
3:20 PM – 4:35 PM in Granite A, Hyatt Regency, Third Floor
About the National Center for Research in Geography Education (NCRGE)

NCRGE is a research consortium with headquarters at the American Association of Geographers and Texas State University. Funded by grants from the National Science Foundation, private foundations, and other agencies, NCRGE works to build capacity for transformative research in geography education.

AAG members and others interested in geography education research are encouraged to join the NCRGE research coordination network by completing a free membership application at www.ncrge.org/rcn.

The NCRGE research coordination network is supported by a grant from the National Science Foundation’s Geography and Spatial Science program (NSF Award BCS-1560862).

For more information, please visit www.ncrge.org.