

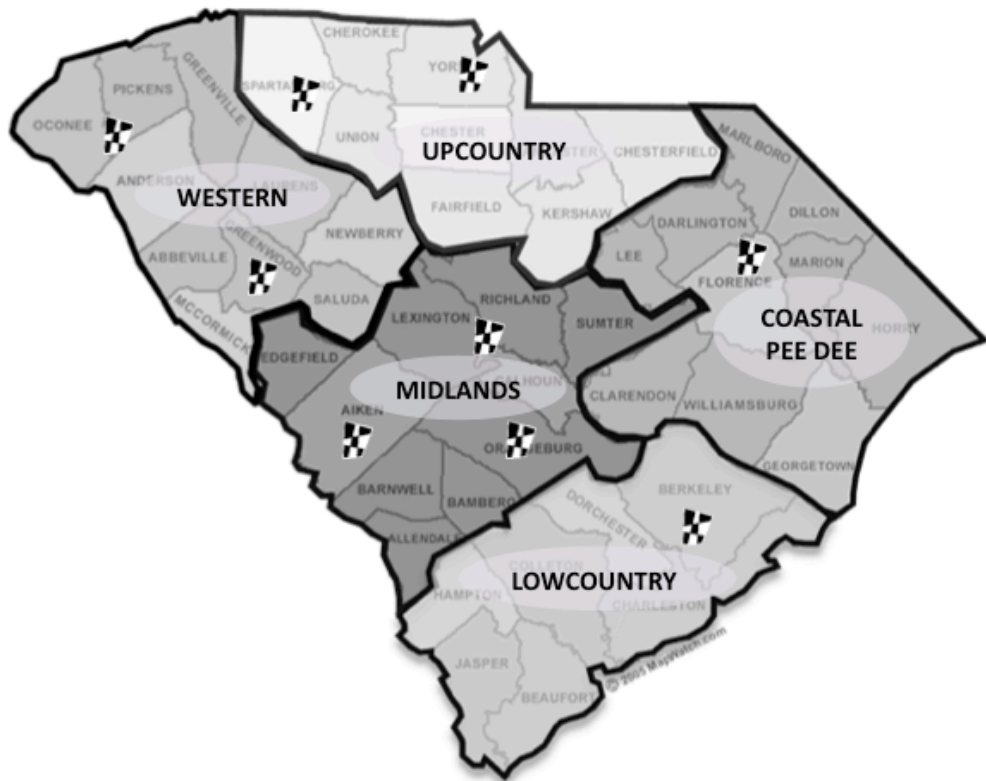
South Carolina's Summit on STEM Education

August 7, 2012

9:00 a.m. – 10:00 a.m. Auditorium Lobby	REGISTRATION NOTE: photographers and videographers will be capturing images for use on our web site and other displays. Please let us know at registration if you prefer not to be photographed.
9:00 a.m. – 4:00 p.m. 400's Hallway	STEM Program Displays
10:00 – 10:10 a.m. Auditorium Rm. 501	Welcome Anita Zucker, CEO, The InterTech Group http://www.linkedin.com/pub/anita-zucker/b/a47/7bb
10:10 – 10:30 a.m. Auditorium Rm. 501	The State of STEM Education in the USA Dr. Tom Peters, Executive Director, SCCMS http://www.linkedin.com/in/tompeterssc
10:30 – 11:15 a.m. Auditorium Rm. 501	The State of STEM Education in SC Moderator: Anita Zucker Panelists: Cheryl Lewis, Coordinator, Pee Dee REC http://www.linkedin.com/pub/cheryl-lewis/9/54/510 Sarah Piwinski, Coordinator, Lowcountry STEM Collaborative http://www.linkedin.com/pub/sarah-piwinski/39/95b/655 Alicia Thibaudet, Project Coordinator, IT-ology
11:15 – 11:45 a.m. Auditorium Rm. 501	Critical Links to a STEM Education Plan Speaker: Torrence Robinson, Senior Director of Community Affairs & the Fluor Foundation http://www.linkedin.com/pub/torrence-robinson/11/674/146
11:45 a.m. – 12:00 Noon	Travel Time/Break.

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12:00 – 1:00 p.m.	Facilitated Regional Reflection into Planning Session Box lunch available.
Coastal Pee Dee Room 400	Facilitators: Kim Poston, Coordinator, S ² TEM Centers SC http://www.linkedin.com/pub/kim-poston/55/183/17b Cheryl Lewis
Lowcountry Room 405	Facilitators: Darren Prevost, Coordinator, S ² TEM Centers SC Sarah Piwinski
Midlands Room 501 (Auditorium)	Facilitators: Dr. Linda Payne, Coordinator, S ² TEM Centers SC http://www.linkedin.com/pub/linda-payne/2b/730/b25 Jeff Powley, Education Manager, SC State Museum http://www.linkedin.com/pub/jeff-powley/14/729/76a
Upcountry Room 317	Facilitators: Dr. Nan Dempsey, Coordinator, S ² TEM Centers SC http://www.linkedin.com/pub/nan-dempsey/24/210/2bb Dr Leonard Starks, STEM Facilitator, Spartanburg School District 7
Western Room 319	Facilitators: Terrie Dew, Education Specialist, S ² TEM Centers SC http://www.linkedin.com/pub/terrie-dew/32/8a4/4b1 Valerie Mosher, Curator, Roper Mt. Science Center http://www.linkedin.com/pub/valerie-mosher/5/aa1/474



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1:00 – 1:15 p.m.	Travel Time with Break.
1:15 – 2:45 p.m.	Facilitated Break Out Sessions By Topic
Room 407	<p>Adopt Rigorous Standards and Improved Assessments</p> <p>Standards define the knowledge and skills students should have along their K–12 education progression so that they will graduate able to succeed in entry-level, credit-bearing academic college courses, in workforce training programs, and as citizens in a STEM impacted society.</p> <p>Facilitators: Dr. John Holton, Education Associate, State Department of Education http://www.linkedin.com/pub/john-holton/8/59/56a Alice Gilchrist, Coordinator S²TEM Centers SC http://www.linkedin.com/pub/alice-gilchrist/55/1b2/a52 Kim Poston</p>
Room 405	<p>Recruit and Retain Qualified and Effective Teachers</p> <p>Recruit more qualified STEM teachers to the classroom. Retain the most effective instructors through policy and professional learning.</p> <p>Facilitators: Dr. Nan Dempsey Dr. David Longshore, Jr, State School Board</p>
Room 319	<p>Enhance the Quality of STEM Teachers</p> <p>Better-prepared STEM teachers need resources and community support.</p> <p>Facilitators: Ellen Mintz, Lead Teacher, Charleston Co. School District http://www.linkedin.com/pub/ellen-mintz/20/217/260 Trip DuBard, Executive Director, SC Future Minds http://www.linkedin.com/pub/trip-dubard/9/771/6a0</p>

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1:15 – 2:45 p.m.	Facilitated Break Out Sessions By Topic (continued)
Room 317	<p>Provide Rigorous Preparation for STEM Students</p> <p>Students pursuing STEM postsecondary study need strong preparation in secondary school to succeed in their studies and obtain a STEM degree.</p> <p>Facilitators: Dr. Gerald Marshall, Dept. Head, Tri County Technical College http://www.linkedin.com/pub/marshall-gerald/23/29b/b19 Rick Murphy, Coordinator, Pendleton Regional Education Center http://www.linkedin.com/pub/rick-murphy/34/488/594</p>
Room 400	<p>Provide Rigorous Preparation for non-STEM Students</p> <p>Students pursuing life in a STEM –impacted society need strong preparation in K-12 schools to succeed as engaged citizens</p> <p>Facilitators: Kenna Alewine, Education Specialist, S²TEM Centers SC http://www.linkedin.com/pub/kenna-alewine/34/240/94a Janice Jolly, STEM Facilitator, Charleston Co. School District http://www.linkedin.com/pub/janice-jolly/13/905/6b8</p>
Room 313	<p>Use Informal Learning to Expand Beyond the Classroom</p> <p>Organized educational opportunities outside the classroom, which include after-school programs, activities at museums and science centers, and virtual learning experiences can help students understand the connections of STEM to life and career opportunities.</p> <p>Facilitators: Jonathan Zucker, President, The InterTech Group Cherlyn Anderson, Education Specialist, S²TEM Centers SC http://www.linkedin.com/pub/cherlyn-anderson/40/823/482</p>
Room 311	<p>Establish Goals for Postsecondary Institutions to Meet STEM Job Needs</p> <p>Increasing the number of degree and certificate holders who can enter STEM fields in response to the high rate of STEM job growth and the difficulty businesses experience in filling STEM positions.</p> <p>Facilitators: Dr. Walt Tobin, President, Orangeburg-Calhoun Technical College Dr. Linda Payne</p>

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2:45 – 3:00 p.m.	Travel Time with ice cream break
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3:00 – 3:45 p.m. Auditorium Rm. 501	Next Steps for STEM Education in SC Panel Moderator: Melanie Barton, Executive Director, Education Oversight Commission http://www.linkedin.com/pub/melanie-barton/10/b77/4b0 Panelists: David Blackmon, State Board of Education http://www.linkedin.com/pub/david-w-blackmon/55/372/513 Kathy Maness, Municipal Government, Town of Lexington Jim Reynolds, CEO Total Comfort Solutions & New Carolina Champion http://www.linkedin.com/pub/jim-reynolds/6/687/70b Trena Houp, Program Manager, Commission on Higher Education Tiffany Davis, Sr. Program Manager, EngenuitySC Representative Mike Anthony, SC General Assembly
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3:45 – 4:00 p.m. Auditorium Rm. 501	Recognition and Door Prizes
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<p style="text-align: center;">Special Thanks to Our Summit Funding & In-Kind Partners</p> <p style="text-align: center;">Platinum</p> <p style="text-align: center;">BMW Manufacturing Co.</p> <p style="text-align: center;">Boeing SC</p> <p style="text-align: center;">Fluor</p> <p style="text-align: center;">Lockheed Martin</p> <p style="text-align: center;">Silver</p> <p style="text-align: center;">Lego Education</p> <p style="text-align: center;">Texas Instruments</p> <p style="text-align: center;">Bronze</p> <p style="text-align: center;">Lexington School District 1</p> <p style="text-align: center;">South Carolina Future Minds</p>
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9:00 a.m. – 4:00 p.m. 400's Hallway	STEM Program Displays
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Clemson University — Center for Workforce Development

The mission of the Center for Workforce Development is to support demand-driven education, research, dissemination and outreach that will advance economic development, enhance employment opportunities for South Carolinians thereby providing industry with a highly qualified pool of next generation employees.

For more information, contact Clemson University Center for Workforce Development, 110 Freeman Hall Clemson, SC 29634, 864-656-7089 Email: cucwd@clemson.edu

Clemson University — Creative Inquiry

Clemson University's Creative inquiry program engages undergraduate students in team-based research in all academic disciplines. More than 3,000 students are involved in Creative Inquiry projects each year, approximately 55% in STEM topics. In collaboration with their faculty mentors, students publish their research results, present at professional conferences, and apply for patents. The Creative Inquiry model has been adopted by high schools.

Dr. Barbara Speziale, Associate Dean, Undergraduate Studies
bjspz@clemson.edu
864.656.1550

Clemson University — SC Life and FIRST programs

The Clemson University SC Life and FIRST programs support enrichment activities for K-12 teachers and students. SC Life, supported by the Howard Hughes Medical Institute, offers science graduate courses for K-12 teachers and sponsors research with Clemson scientists for high school students. FIRST, which was developed through a NSF-STEP grant, serves students who are the first in their families to attend college by providing peer mentoring and academic enrichment.

SC Life

<http://www.clemson.edu/sclife>
Dr. Barbara Speziale, Associate Dean and Professor of Biology
bjspz@clemson.edu
864.656.1550

FIRST

<http://www.clemson.edu/first>
Ms. Sherry Dorris sdorris@clemson.edu
864.656.1550

Earth Force South Carolina

Earth Force works with local schools and community based organizations to support youth engagement, service learning and environmental literacy for youth in the Charleston metro area (tricounty). Although our work serves the entire tricounty, our current community-based work involves building deep relationships and networks to support our work in the James Island, North Charleston and Goose Creek communities.

<http://www.earthforce.org/community/CharlestonSC>
srafalowski@earthforce.org

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ETV Does That?

Most teachers know about StreamlineSC but did you know that ETV offers many other resources for educators: Knowitall.org, PBS Learning Media, Teacherline, eMedia, Media Share, and PBS Kids? We also provide free professional development at your location.

Check us out at www.streamlinesc.org for more information or contact Debbie Jarrett (djarrett@scetv.org) or Donna Thompson (dthompson@scetv.org).

Lego Education

LEGO Education brings creativity and innovation to classrooms across the globe! We provide motivating and engaging tools that encourage students to observe, explore, question, and discover knowledge through hands-on, student driven experiences. LEGO Education provides teachers with comprehensive support materials for seamless integration and a curriculum framework that allows the teacher to be the facilitator. Our solutions for STEAM and other core curriculum are designed to meet and exceed standards at state and national levels.

Kristie Brown kbrown@legoeducation.us

800-979-5531 C: 404-401-8725

<http://www.LEGOEducation.us> <http://www.youtube.com/user/LEGOeducationUS>

<http://www.facebook.com/LEGOeducationNorthAmerica> twitter @LEGO_Education

Palmetto State Teachers Association

PSTA is the fastest-growing teaching association in the state. With a membership and staff comprised almost entirely of current or former classroom teachers, Palmetto State Teachers Association has much to offer: professional development opportunities, workplace support, registered lobbyists, and one million dollars of professional liability coverage. With its focus on children, support for teachers, respect in the Legislature, and incredibly reasonable dues, it is easy to see why 17 of the last 18 State Teachers of the Year have chosen PSTA as their professional association! Make PSTA your *Choice!*

To join, call us in Columbia at 803-256-2065, toll-free at 1-800-849-7782 or visit us online at www.palmettoteachers.org.

The South Carolina Education Association

The SCEA is our state's leading advocate for quality public education. As South Carolina's largest professional organization, we work for excellence in teaching while promoting proper compensation, benefits and protection for educators and school workers. Membership in The SCEA unites you with your colleagues throughout the State of South Carolina and provides membership in the National Education Association. With a support network of approximately 3.2 million members, the NEA is the world's largest organization dedicated to public education.

Join today by visiting our website: www.thescea.org or call (803) 772-6553 in Columbia and toll-free (800) 422-SCEA

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SC Future Minds

In addition to organizing the annual Teacher of the Year Celebration, South Carolina Future Minds serves as the main charitable vehicle for the 700,000 children in South Carolina's public schools. The foundation organizes efforts to recruit, retain and support amazing teachers, strengthens and helps create local education foundations and operates as the conduit for corporate and individual gifts to strengthen SC public schools.

For more information, visit www.scfutureminds.org Follow us on Facebook at <http://www.facebook.com/southcarolinafutureminds> or Twitter at <https://twitter.com/SCfutureminds>

South Carolina Governor's School for Science & Mathematics

The South Carolina Governor's School for Science & Mathematics (GSSM) is a two-year, public, residential high school in Hartsville, SC, specializing in the advanced study of STEM. As one of the nation's leading STEM schools, GSSM is committed to outsmarting South Carolina's brain drain by helping to drive and develop the next generation of innovative thinkers and leaders. Founded in 1988 by Palmetto State visionaries—Gov. Carroll A. Campbell Jr. and Sonoco President Charles W. Coker—GSSM was launched with the purpose of investing in, and thus enhancing, the economic prosperity of South Carolina. GSSM is revved up about academic excellence, STEM innovation and the knowledge economy of South Carolina.

Leigh Hewlett, Marketing & PR Coordinator, GSSM Foundation,
803.252.9152,
leigh@scgssm.org
Website: www.scgssm.org
Facebook: www.facebook.com/SCGSSM
Twitter: [@SC_GSSM](https://twitter.com/SC_GSSM)

S²TEM Centers SC

S²TEM Centers SC (Solutions in Science, Technology, Engineering, and Mathematics Education) is an innovation partnership for economic development through improvement in K-12 STEM education. Known over the years as "Hubs" (1993 - 2002), "Mathematics & Science Regional Centers" (2003 - 2009), "S²MART Centers" (2009 - 2011), our priorities include, developing a STEM plan for the state of SC, standards implementation support, STEM schools support and Disciplinary Literacy research.

<http://www.s2temsc.org/>
<http://www.facebook.com/s2tem.centers.southcarolina>
<https://twitter.com/s2temcenterssc>

Texas Instruments

Supporting educator's vision of student success, TI's technology and support materials help enhance teaching and learning. See how new TI-Nspire™ CX handhelds can deepen student understanding using color.

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URL: <http://education.ti.com>

Presenters, Panelists and Facilitators

Most of our presenters, panelists and facilitators have opted to make their public profile on LinkedIn available to Summit participants. Profile links are embedded in this document following the initial appearance of the presenter, panelist and facilitator in the program. Biographical sketches, for presenters, panelists and facilitators choosing that option appear in alphabetical order below.

Trena Houp
Program Manager, SC Commission on Higher Education

Trena Houp is a Program Manager in the Division of Academic Affairs and Licensing at the South Carolina Commission on Higher Education. She works primarily with matters of academic policy and program management in the areas of secondary-to-postsecondary transition, curriculum alignment, transfer and articulation, and others related to the Education and Economic Development Act of 2005. She also works with several projects resulting from the *Action Plan for Higher Education* (March 2009), serves as the Commission's representative for medical education related Boards, steering committees, and advisory committees, and manages the Commission's Service Learning Award Program. Prior to her employment at the Commission, she taught English and Literature at the University of Florida. She holds an M.A. in English from the University of Florida. Contact info: thoup@che.sc.gov; 803.737.4853.

Jim Reynolds
CEO, Total Comfort Solutions

Jim Reynolds is Chief Executive Officer and a partner in Total Comfort Solutions, a leading provider of mechanical services and environmental solutions to commercial, industrial, medical and institutional facilities in South Carolina.

A native of Columbia, Jim is married to Judy and they have a daughter, Kathryn, who lives in Denver. Jim is a graduate of Davidson College and earned an MBA from the University of Virginia. Following a ten year career with the Coca-Cola Company in Boston and Atlanta, Jim returned to Columbia to become a partner in Total Comfort Solutions and Comfort Services.

Jim's community service is focused on education and workforce development. He serves as Chair of the South Carolina Chamber of Commerce Board of Directors, he co-chairs the New Carolina Education and Workforce Development Task Force and serves on the Education and Economic Development Act Coordinating Council. Jim is past chair of the Greater Columbia Chamber of Commerce, past chair of the Midlands Technical College Foundation Board and past chair of the Midlands Education and Business Alliance. Jim was named the South Carolina Business Leader of the Year in 2010.

Alicia Thibaudet
Program Coordinator, IT-oLogy

Alicia comes to IT-oLogy with over seven years of customer service and training experience in the IT world. Having taught software to Americans and local staff at over 40 US embassies overseas, she has been exposed to the information technology business world-wide from an educational standpoint. Alicia is excited to be a part of an organization that promotes IT, teaches IT, and grows IT. Alicia manages the Promote IT (K-12) initiative, as well as the administrative side of IT-oLogy. Contact info: alicia.thibaudet@it-ology.org, (803) 354-5731