



## GeoGebra Institute of Southern Connecticut

The Fourth Annual GeoGebra Conference of Southern Connecticut

**Tuesday, August 16, 2016**

*(With a Pre-Conference workshop on Monday August 15, 2016)*

Southern Connecticut State University - New Haven, CT

### Monday, August 15, 2016 (1:30 - 4:30)

Pre-Conference GeoGebra Workshop - For beginners (no experience with GeoGebra is required) **(Buley 205 & Buley 206)**

### Tuesday, August 16, 2016 (8:30 - 4:30)

8:30	Registration <span style="float: right;"><b>(Rotunda - EN A120)</b></span> <i>*Refreshments are served in EN B121</i>		
9:00 - 9:15	<b>Welcome and Opening Remarks</b> <span style="float: right;"><b>(EN C112)</b></span> <i>Ellen Durnin - Provost and Vice-President for Academic Affairs</i> <i>Steven Breese - Dean of the School of Arts and Sciences</i> <i>Len Brin - Chair of the Math Department</i> <i>Marie Nabbout-Cheiban - GISCT Chair</i>		
9:15 - 10:15	<b>Keynote Presentation - C112</b> <i>Digging Deeper using GeoGebra: An Exploration of Quadratics and More</i> Dr. Doug Kuhlman - Former teacher at Andover Philips Academy, MA		
10:25 - 10:55	<b>Presentation A1 - EN B206</b> <i>"Messing Around" in GeoGebra:          Online Inquiry Through Applets and Games</i> Dr. Forest Fisher Guttman Community College, NY	<b>Workshop 1 - BU 205</b> <i>GeoGebra Books &amp; Groups</i> Albert Navetta University of New Haven, CT	<b>Short Presentation B1 (10:25 - 10:40) - EN D125</b> <i>Volume of Solids with Known Cross Sections</i> Rasha Tarek Staples High School, CT
			<b>Short Presentation B2 (10:40 - 10:55) - EN D125</b> <i>Dynamic Illustrations and Validations of Geometric Theorems</i> Tim Brzezinski Berlin High School, CT
11:00 - 11:30	<b>Presentation A2 - EN B206</b> <i>GeoGebra Tools for the Poincare Disk</i> Dr. Joseph Manthey Saint Joseph University, CT	<b>Workshop 2 - BU 205</b> <i>Buttons &amp; Input boxes</i> Dr. James Quinlan University of New England, ME	<b>Short Presentation B3 (11:00 - 11:15) - EN D125</b> <i>Real Problems with Real Pictures</i> Ali Heery - Bridgeport Public Schools, CT & Rob Belevich - SCSU, CT
			<b>Short Presentation B4 (11:15 - 11:30) - EN D125</b> <i>Geometric Constructions with Automatic Feedback</i> Jason Wofsey Professional Children's School, NY

11: 35 – 12: 05	<b>Presentation A3 - EN B206</b> <i>Using the Tail of a Sequence to Explore its Limit</i> Dr. James Quinlan University of New England, ME	<b>Workshop 3 - BU 205</b> <i>Creating New Tools with GeoGebra</i> Tim Brzezinski Berlin High School, CT	<b>Short Presentation B5 (11:35 – 11: 50) – EN D125</b> <i>Pythagoras in Converse</i> Hunter Smith ESUMS, New Haven, CT
			<b>Short Presentation B6 (11:50 – 12: 05) – EN D125</b> <i>Graphing Surfaces with Polygon Cross Sections In GeoGebra</i> Dr. Doug Hoffmann Northwestern Community College, CT
12: 10 – 12:40	<b>POSTER SESSION - EN D124</b>		
12:40 – 1: 30	<b>Lunch - EN B121</b>		
1:35 – 1:45	<b>Group Picture (Location TBA)</b>		
1:50 – 2:35	<b>Workshop 4 - BU 206</b> <i>GeoGebra and LaTeX</i> Dr. Len Brin SCSU, CT	<b>Workshop 5 - BU 205</b> <i>Using the slider tool to govern all applet dynamics</i> Tim Brzezinski Berlin High School, CT	<b>Short Presentation B7 (1:50 – 2:05)– EN D125</b> <i>A Dynamic Definition of <math>\tan(t)</math></i> Dr. Doug Kuhlman Former teacher at Andover Philips Academy, MA
			<b>Short Presentation B8 (2:05 – 2:20)– EN D125</b> <i>Constructing Meaning in Geometry with GeoGebra</i> Sandra Ollerhead Mansfield High School, MA
			<b>Short Presentation B9 (2:20 – 2:35) – EN D125</b> <i>Parallel /Perpendicular Game</i> Matthew Krebs Boston Public Schools, MA
2:40 – 3: 10	<b>Presentation A4 - EN B206</b> <i>The Geometric Interpretation of Complex Zeros of Quadratic Functions</i> Joe Pastore CUNY Queens, NY	<b>Workshop 6 - BU 206</b> <i>Intro to Geometry with GeoGebra</i> Dr. Braxton Carrigan SCSU, CT	<b>Workshop 7 - BU 205</b> <i>Intro to Statistics with GeoGebra</i> Dr. Marie Nabbout-Cheiban SCSU, CT
3: 15 – 3:45	<b>Presentation A5 - EN B206</b> <i>Complex Functions</i> Albert Navetta University of New Haven, CT	<b>Workshop 8 - BU 206</b> <i>Intro to Algebra with GeoGebra</i> Dr. James Quinlain University of New England, ME	<b>Workshop 9 - BU 205</b> <i>Volume problems from AP calculus-how to create your own applets</i> Dr. Doug Kuhlman Former teacher at Andover Philips Academy, MA

3: 50 – 4: 20	<b>Presentation A6 - EN B206</b> <i>Surviving on Mars with GeoGebra</i> Lindsey States & Jenna Odom Miami University, OH	<b>Workshop 10 - BU 205</b> <i>Introduction to 3D graphing tools</i> Dr. Braxton Carrigan SCSU, CT	<b>Workshop 11 - BU 206</b> <i>CAS and GeoGebra</i> Dr. Len Brin SCSU, CT
4: 20 – 4:30	<i>Evaluation and Attendance Certificates - EN B121</i>		

### **GeoGebra Book:**

All the applets will be available in a GISCT GeoGebra Book “Fourth Annual GeoGebra Conference of GISCT” at: <https://is.gd/fourthgeogebraconf>

### **Conference Proceedings:**

The conference proceedings will be published in the *North American GeoGebra Journal*. <http://www.geogebrajournal.com>

### **Conference Co-Chairs**

Dr. Marie Nabbout- Cheiban & Dr. Len Brin

The GISCT would like to thank all the volunteers.