

Detailed Program: Friday

11:30 – 12:20

lunch (Courtyard Area)

12:30 – 1:20

one-hour sessions:

Session 1

Stonehenge A

Statistics in Poetry, Music, and Literature

Presenters: Dr. Arnavaz Taraporevala, NYC College of Technology
Dr. Nadia Benakli, NYC College of Technology
Dr. Urmilla Ghosh-Dastidar, NYC College of Technology
Dr. Sandie Han, NYC College of Technology

Presider: William Caroscio, Corning Community College

The presenters will discuss statistics projects involving the use of poetry, music and works of literature. These projects link statistics with the arts, reading and writing. The members of the audience are requested to bring their favorite song, poem or short story and an aphorism. The participants will use these for a project during the presentation. Active audience participation is required.

Session 2

Stonehenge D

Origami Professor

Presenter: Dr. Joseph Straight, SUNY Fredonia

Presider: Kimberley Martello, Monroe Community College

Love origami but have trouble doing it? Then this is the workshop for you. The Origami Professor's clear instructions, utilizing precise mathematical language and well-constructed, labeled figures, will have you soon folding like an expert! This year's project: a skeletal octahedron.

Session 3

Stonehenge B

"That's Not Fair"

Presenters: Candice H. Dance, Onondaga Community College
Julie March, Onondaga Community College

Presider: Sean Simpson, Westchester Community College

Four voting methods will be examined. Examples will be shown of how these methods can violate accepted fairness criteria. Conference attendees will be asked to participate in mock elections. How these topics are approached in a liberal arts math class will be discussed.

1:30 – 2:00

half-hour sessions:

Session 4

Stonehenge A

Making the Mathematics Courses for Pre-Service Teachers More Meaningful

Presenter: Michelle A. Doucette, Onondaga Community College

Presider: Patrick Woomer, Adirondack Community College

Do your pre-service teachers continually ask why we have to learn math this way? During the Spring Semester of 2008, I took a sabbatical to spend time in the elementary schools observing children's learning styles, difficulties they have and the various math curricula used in the schools. The presentation will include a brief summary of the sabbatical, its benefits, outcomes and a packet containing a collection of materials from the elementary schools that correlate with objectives taught in these courses.

Session 5

Stonehenge D

The Mathematics, History, Art, and Teaching of Plane Tessellations

Presenter: Dr. Rafael Marino, Nassau Community College

Presider: Candice H. Dance, Onondaga Community College

Plane tessellations is a topic of geometry that is ideally suited for inclusion in a course for art, design, architecture, or liberal art college students. The first section of this paper presents the most basic mathematical facts of plane tessellations. Some of these facts could be included in the teaching of such a course, not necessarily in the order here presented. The second section covers a brief history of plane tessellations and how these geometric ideas have been present in art and design. At the end, the paper discusses some ideas about the teaching of these topics.

Session 6
Stonehenge B

Sustaining Women in the Fields of Mathematics, Engineering and Technology

Presenters: Dr. Janet Liou-Mark, NYC College of Technology
Lori Younge, Jodi-Ann Young, Evita Belmonte,
NYC College of Technology

Presider: Abe Mantell, Nassau Community College

Data regarding pathways to Science, Technology, Engineering and Mathematics careers indicate that a high percentage of students leave their intended STEM majors during their first and second years of college. The trends also indicate that the percentage of students leaving these majors is higher for female students and higher still for under-represented minority students. To respond to the need to sustaining women in these fields, New York City College of Technology created a support system to retain these students. Faculty and student perspectives on the effectiveness of this program will be presented. This presentation is supported by US Department of Education grant P120A060052.

2:10 – 3:00

one-hour sessions:

Session 7

Stonehenge A

SUNY Assessment: Past, Present and Future

Presenters: Nancy Willie-Schiff, Ph.D., Assistant Provost for Undergraduate Education, SUNY

Maryann Justinger, Erie Community College,
GEAR Member

Kathleen Ebert, Alfred State College, GEAR Member

Presider: Ralph Bertelle, Columbia-Greene Community College

Overview of SUNY general education assessment with Q and A.

Session 8

Stonehenge D

T&M: Tilings and Mathematics

Presenters: Dr. Nadia Benakli, NYC College of Technology

Dr. Arnavaz Taraporevala, NYC College of Technology

Presider: Thomas Timchek, Nassau Community College

Tilings of the plane can be observed in mosaic, in the work of artists such as M. C. Escher, and in nature. We will discuss the mathematics behind some of the tiling problems that can be used in a Geometry class or in any class from Intermediate Algebra through Precalculus. Topics will include tiling rectangles with rectangles, Penrose tilings and the golden ratio, and the marriage theorem and tilings. Active audience participation is required.

Session 9

Stonehenge B

"Appreciate the Beauty of a Design" or "See the Math in It" -- Which Happens First?

Presenters: Catherine W. Snyder, Alfred State College

Christalyn J. Snyder, Rochester Institute of Technology

Presider: Michelle A. Doucette, Onondaga Community College

Students in the course Explorations in Geometry use both sides of their brains in applying geometric truths and principles while making marketable designs. An overview of the course will familiarize attendees with the concept of the course, the content and materials for the course, and give them opportunities to view sample student projects and create some of their own.

3:00 – 3:30

break: please visit the vendor exhibits

3:30 – 4:20

one-hour sessions:

Session 10

Stonehenge A

Infusing Sustainability into Your College Math Classes

Presenter: Tracey A. Clancy, Onondaga Community College

Presider: Sophia Georgiakaki, Tompkins Cortland Community College

This presentation will describe what is meant by the term "sustainability", why we as educators have a moral obligation to teach our students about sustainability, and give concrete examples of how the topic can be stitched into the fabric of a college-level math class. Examples will be from Algebra, Contemporary Mathematics and Pre-calculus classes yet could be extended to others.

Session 11

Stonehenge D

Bio-Surveillance and Detection of an Outbreak

Presenters: Dr. Urmie Ghosh-Dastidar, NYC College of Technology
Ya Ping Zhang, Gilbert Center, NYC College of Technology

Presider: Timothy Grosse, Jefferson Community College

Bio-surveillance is the process of monitoring new outbreaks of infectious diseases. In this talk we will explore how statistics can be used to detect presence of Bovine virus diarrhea (BVD) in a cattle population or an outbreak of rotavirus in human population particularly among young children. The BVD virus is one of the potentially dangerous viruses that are hardest to prevent once it has set its first onset among the cattle population. This virus transmits through cattle faces and secretions from nose and mouth. It can also spread through aerosol droplets and direct contacts. Rotavirus is also one of the most common viruses among children that cause severe diarrhea, results in approximately 55,000 hospitalizations each year and globally deaths of over 600,000 children per year. Once exposed, the children show symptoms on average within 2 days. Symptoms include fever, frequent abdominal pain, watery diarrhea and vomiting for 3-8 days. A Bayesian analysis is used for outbreak detection. The talk is intended for general audience and the topics can be incorporated in classroom lectures.

Exploring Vertex-Regular Tessellations

Presenter: Dr. Joseph Straight, SUNY Fredonia

Presider: Michelle A. Doucette, Onondaga Community College

We consider tessellations of the plane made up of regular polygons. A vertex-regular tessellation has the same sequence of polygons around each vertex. Perhaps the most famous one is the familiar "honeycomb" tessellation; we denote this by (6,6,6), since three hexagons surround each vertex. Another one is (4,8,8), in which a square and two regular octagons meet at each vertex. Then there are cases such as (3,10,15), which doesn't exist, even though the angles add up ($60 + 144 + 156 = 360$). In this workshop, we'll use the free software package GeoGebra (www.geogebra.org) to explore vertex-regular tessellations. Participants are encouraged to download the software and bring their laptops!

4:30 – 5:20

one-hour sessions:

Session 13

Stonehenge A

Coloring in Math Class

Presenters: Julie March, Onondaga Community College
 Tracey A. Clancy, Onondaga Community College

Presider: Sean Simpson, Westchester Community College

This presentation will demonstrate how the topic of Map Coloring is used as an enrichment activity in a liberal arts math class. Participants will receive a packet of the activity.

Session 14

Stonehenge D

Guides to Problem Solving

Presenters: Thomas Timchek, Nassau Community College
 Michael Totoro, Nassau Community College

Presider: Michael Helinger, Clinton Community College

This presentation is an adjunct to the program “Patterns of Problem Solving” created by Moshe Rubinstein, Chairperson of Engineering Systems Department at UCLA in the early 1970’s. Our program explores various ways to solve problems encompassing diverse academic disciplines. A balance between solution techniques and attributes of problem solvers focusing on practicability is a primary objective of the program. A foundation, as well as tools and concepts for problem solving, are demonstrated with numerous exercises. Discussing the state of the present economy is used to illustrate the for mentioned ideas in problem solving.

Session 15
Stonehenge B

Peer-Assisted Learning (PAL) Workshops from Intermediate Algebra to Calculus

Presenters: Dr. Janet Liou-Mark, NYC College of Technology
A.E. Dreyfuss, NYC College of Technology
Murshedah Ahmed, Elisa Elshamy, Precious-Mary Elias,
Adam Atia, Javier Joya, Jian Hong Li, Jamal Stovell,
Lori Younge, Alma Cabral Reynoso, NYC College of
Technology

Presider: Sophia Georgiakaki, Tompkins Cortland Community
College

To support students in the science, technology, engineering, and mathematics (STEM) disciplines, New York City College of Technology has started to offer peer assisted learning workshops in Intermediate Algebra through Calculus. A team comprising of student leaders with varying experiences, a professor, and a learning specialist collaborate to create an environment where students can achieve success in mathematics. The presenters will share the challenges and rewards of conducting workshops in different levels of mathematics.

5:30 – 6:30

executive board meeting

7:00 – ?

Phoenix Room

dinner (scholarship winners announced)

Detailed Program: Saturday

6:00 – ???

Estimation Run

7:00 – 7:50

breakfast (Courtyard Area)

8:00 – 8:50

one-hour sessions:

Session 16

Stonehenge A

Commercial Presentation: Maplesoft -- Explorations in Maple

Presenter: Louise Krmpotic, Maplesoft

Presider: Dr. Joseph Straight, SUNY Fredonia

Maple, the leading all-purpose math software tool, makes math exploration and problem-solving more visual, interactive, and easier than ever. Bring real-world examples into the classroom and use Maple's point-and-click interface to investigate concepts. This session will demonstrate how to use Maple in the classroom and showcase some exciting application examples.

Session 17

Stonehenge D

Commercial Presentation: I CAN Learn® Education Systems – Closing the Math Achievement Gap with Technology and Data-Driven Instruction in I CAN Learn® Classrooms

Presenter: Jeffrey Hildebrandt, I CAN Learn® Education Systems

Presider: William Caroscio, Corning Community College

In order to stay competitive in a global economy, it is critical to get U.S. students through the "Algebra Gateway," and move them on to higher-level mathematics. In light of the persistent Math Achievement Gap in this country, this is a daunting challenge. This presentation describes how some U.S. secondary schools and community colleges are using a computer-based math curriculum and data-driven instruction to close the Math Achievement Gap.

8:00 – 9:50

two-hour session:

Session 18
Stonehenge B

Math On the Web Themed Session

Presenters: Dianna Cichocki, Erie Community College
Mary Beth Orrange, Erie Community College
Mark Marino, Erie Community College
Lori Barrett, Corning Community College
Jodi Cotten, Westchester Community College

Experienced distance education teachers will discuss innovative tools, techniques, and observations regarding use of the Internet for successful teaching and learning.

8:00 - 8:15 Show Your Students Statistics (Cichocki)
8:20 - 8:35 Putting the Learning in Distance Learning (Orrange)
8:40 - 8:55 Engaging Students Using Effective Discussion Boards (Marino)
9:00 - 9:15 Using the Internet to Enhance Traditional Classes (Barrett)
9:20 - 9:35 Using a Tablet PC in an Online Math Class (Cotten)
9:40 - 9:50 Sharing Session

9:00 – 9:50

one-hour sessions:

Session 19

Stonehenge A

Mathematics in the Digital Age

Presenter: Dr. Revathi Narasimhan, Kean University

Presider: Michael Helinger, Clinton Community College

Students are absolutely enthralled with iPods, iPhones, digital cameras and a host of other digital technologies. How can this never ending fascination increase student interest in mathematics? This talk will discuss examples of digital technology which can be used in classes from developmental mathematics to precalculus to linear algebra. We will examine the real meaning of megapixels in digital cameras and how digital sound is created. We will also explore some algorithms used to manipulate digital images and discuss mathematics involved in computer generated animation.

Session 20

Stonehenge D

The Art of Teaching Math Using SRL Methodology

Presenters: Dr. Sandie Han, NYC College of Technology
Grazyna Niezgoda, NYC College of Technology

Presider: Sue Kutryb, Hudson Valley Community College

Self-Regulated Learning (SRL) is a theory of educational psychology built on the latest developments in cognitive science. This theory and its three phase model are used in the classroom to help students become more effective and successful learners. The presenters will share ideas and strategies that are used to promote SRL in developmental math classes. Audience will be asked to participate in some SRL activities.

9:50 – 10:10

break: please visit the vendor exhibits

10:10 – 11:00

one-hour sessions:

Session 21

Stonehenge A

Commercial Presentation: McGraw-Hill -- Student Success Using ALEKS

Presenter: Jim Grot, McGraw-Hill

Presider: Dr. Javier Roldan McKinley, LaGuardia Community College

Our ALEKS expert will show you how ALEKS can improve student pass rates by as much as 20%. With the national pass rates in mathematics courses close to 50%, you'll want to learn how some of your peers have boosted this average to as high as an 80% pass rate.

Session 22

Stonehenge D

Commercial Presentation: Hawkes Learning Systems -- “All Math Software Is Not Created Equal: What's the Difference?”

Presenter: Lisa Rickel, Hawkes Learning Systems

Presider: Dr. Md Zahidur Rahman, LaGuardia Community College

The use of technology has become increasingly implemented in Mathematics courses, but what makes one software system different from another? Hawkes Learning Systems (HLS) is a unique program that is proven to be more effective in improving student performance. Discover how HLS's differences make it the perfect solution for student success!

Session 23

Stonehenge B

Commercial Presentation: Pearson Education -- MathXL, MyMathLab, and Now, MyMathTest, Course Management, Online Homework, and Pre/Post Testing

Presenter: Kevin O'Brien, Pearson Education

Presider: Michael Riedinger, Nassau Community College

The Pearson technology Specialist will give an overview of MathXL and MyMathLab, with typical and unique examples of how they are used. He will then review customization options for MathXL and MyMathLab, both as a way to reduce cost to the student, and as a way to better reflect the content needs for a particular school. He will then demonstrate MyMathTest a non text-specific derivative of the MathXL platform that offers schools and math departments the opportunity to use the MathXL quizzing features and Study Plan to deliver pre and/or post tests with customized study plans and tutorials all at a reduced price. MyMathTest is currently being used in several settings as a low cost online prep solution for students taking the Acuplacer or Compass placement tests. This presentation will be appropriate for both those using MyMathLab and MathXL and those interested in using it in the future. MyMathTest is a new product based on the MathXL platform and will be of interest to anyone interested in issues regarding placement tests and/or exit testing.

11:00 – 11:50

business meeting

Stonehenge B

12:00 – 12:45

lunch (Courtyard Area)

12:50 – 1:40

one-hour sessions:

Session 24

Stonehenge A

Commercial Presentation: Maplesoft -- Ready, Set, Go with Maple T.A.

Presenter: Louise Krmpotic, Maplesoft

Presider: Dr. Revathi Narasimhan, Kean University

Are your students ready for the classes they are taking? What class should they take? Come to this session to find out how Maple T.A., Maplesoft's online testing and assessment system, enables you to test for academic readiness and placement. The Maplesoft-MAA Placement Test Suite includes thousands of questions from arithmetic and algebra to pre-calculus.

Session 25

Stonehenge D

Improving Your Developmental Courses: DCC Tries a Pilot Beginning Algebra and Intermediate Algebra Course

Presenters: Carla DelTreste-Jutt, Dutchess Community College
Sara Taylor, Dutchess Community College

Presider: Maryam Vulis, Norwalk Community College

In an effort to improve retention and comprehension, select faculty at Dutchess Community College made some changes to their Beginning and Intermediate Algebra courses. The Pilot courses have changed from a teacher-centered classroom (lecture) to an almost completely student-centered classroom (activity, discussion, and on-task learning, reflection). Through the incorporation of in-class activities, study skills, journaling, mandatory out-of-class work, and mastery quizzes, these developmental math courses have become more than just math content! A discussion of the course format, results, and sample activities will be presented.

Session 26

Stonehenge B

Stimulating Interest in Mathematics

Presenters: Leslie Buck, Suffolk County Community College
Erikka Mendez, Suffolk County Community College

Presider: Timothy Grosse, Jefferson Community College

Through non-traditional connections with art, music and literature, pre-algebra through intermediate algebra level students may develop the motivation necessary for success in mathematics. In a collaborative learning environment, students have the opportunity to explore unique mathematical contexts and ideas, such as fractals or Marcus du Sautoy's 'Music of the Primes'. By complementing our lectures with animation, color and sound effect, students become more engaged. Difficult concepts become more accessible. Students discover the value of mathematical competency and can be inspired toward life-long learning. It is the hope of the presenters to inspire our colleagues to try some of the techniques demonstrated in this presentation.

1:50 – 2:40

one-hour sessions:

Session 27

Stonehenge A

Maximize Learning Using Camtasia and a Tablet PC

Presenter: Sara Taylor, Dutchess Community College

Presider: Michael Riedinger, Nassau Community College

Videos created using Camtasia and a Tablet PC are easy to create, and the students love them! You could use videos to introduce students to your online course, give mini-lectures on math content, teach a computer program, and more. After showing some videos and discussing the benefits, we will actually create, edit, and upload a video to You Tube during the presentation. At the conclusion, participants will be ready to try their own videos.

Session 28

Stonehenge D

The Art of Problem Solving in the Mathematics Classroom

Presenter: Heather Huntington, Nassau Community College

Presider: Sue Kutryb, Hudson Valley Community College

Prof. Huntington will highlight the art of problem solving. She will exemplify commonly used heuristics, some of which include the use of an analogy, auxiliary problem, a related problem, variation of the problem, drawing a figure or diagram, specialization, generalization, working backwards, induction, and guess-and-check. Participants will be entertained, puzzled and enlightened. Come experience the art of problem solving and see how it can be a ton of fun too!

Session 29

Stonehenge B

More Team Trivia and Puzzles

Presenters: Kate Danforth, Corning Community College
Lori Barrett, Corning Community College

Team Trivia is back for its third year. Come and play for fun and prizes!

2:50 – 3:40

one-hour sessions:

Session 30

Stonehenge A

Commercial Presentation: Cengage Learning -- Improving Student Success with Active Learning

Presenter: Rochelle Beatty, Cengage Learning

Presider: Dr. Javier Roldan McKinley, LaGuardia Community College

In this session, participants will engage in activities that can be used in their classrooms. These activities will model common active learning strategies such as Think-Pair-Share, Jigsaw, and Changing Charts. Incorporating these methods into a lesson to make it more active and promote discussions will also be addressed.

Session 31

Stonehenge D

Commercial Presentation: Content On Demand -- “Thinking Outside the Book: Online Math Courses from Content On Demand”

Presenter: John Remington, Content On Demand

Presider: Dr. Md Zahidur Rahman, LaGuardia Community College

Come see the only fully online product that is built inside of Angel, WebCT, eCollege and Blackboard- it's completely customizable, works on Macs and PC's, is focused around complete lessons (text, animation, video, interactive examples, practice, testing) and costs $\frac{1}{2}$ the price of the leading packages. Courses range from prealgebra through precalculus.

Session 32

Stonehenge B

Commercial Presentation: Texas Instruments -- “TI-Nspire: A True Learning Tool!”

Presenter: Dana Morse, Texas Instruments

Presider: Dr. Joseph Straight, SUNY Fredonia

In this session, you will get hands on with the latest educational technology from Texas Instruments. The TI-Nspire hand held allows the learner to “Grasp the Math” and discover properties of mathematics through activities on the hand held. Have the power to save documents, lessons, assessments on the TI-Nspire and TI-Nspire CAS.

3:40 – 4:10

break: please visit the vendor exhibits

4:10 – 4:35

half-hour sessions:

Session 33

Stonehenge A

Commercial Presentation: ACT, Inc. -- Five Strategies for Increasing Student Success Using COMPASS Math Diagnostics

Presenter: Pamela Murray, ACT, Inc.

Presider: Andrea Blum, Suffolk County Community College

The session will cover 5 ways that diagnostics can be used to assist students for as little as \$2.00 per student. COMPASS- a computerized, computer-adaptive diagnostic, placement and assessment system offers 15 comprehensive diagnostic assessments in Pre-Algebra and Algebra. Math faculty, academic and assessment professionals are urged to attend.

Session 34

Stonehenge D

Compelling Context for Basic Skills Math Courses

Presenters: Dr. Javier Roldan Mckinley, LaGuardia Community College

Dr. Md Zahidur Rahman, LaGuardia Community College

Presider: Julie Croteau, Corning Community College

Teaching Algebra to entry level students in non-math related majors is a challenging task due to the lack of motivity from the students. This presentation summarizes an attempt to stimulate the attention and interest of those students by addressing the algebra concepts to real-life problems. A common topic of interest would be Nutrition, inside Public Health field. A factorization case is related to the amount of food that can be ingested without exceeding certain amount of fat.

4:10 – 5:00

one-hour session:

Session 35

Stonehenge B

In Pursuit of Pascal - Adventures in Number Theory

Presenter: Eric O'Brien, Bellmore Schools

Presider: Patrick Woomer, Adirondack Community College

Mathematically and visually breathtaking, Pascal's triangle can add vim and vitality to any math program. When we are done, you are going to wonder what you're going to do with all that vim. Wake the kids, call a friend and come have some fun.

4:45 – 5:10

half-hour sessions:

Session 36
Stonehenge A

Invigorating Basic Mathematics Courses Using Environmental Issues

Presenters: Dr. Md Zahidur Rahman, LaGuardia Community College
Dr. Javier Roldan Mckinley, LaGuardia Community College

Presider: Mary Beth Orrange, Erie Community College

Teaching basic skills courses in mathematics has been a long-time problem due to the student's lack of preparation and/or motivation. This presentation suggests several options with the aim of invigorating such courses by building on the interests and strengths of the students. These include relating mathematics to current critical issues such as environmental and pollution, using projects and real-life problems, and collaborative learning. These suggestions help students to learning their basic mathematics skills as well as environmental theme.

Session 37
Stonehenge D

Apparent Aging: An Explanation of a Common Paradox

Presenter: Joseph Browne, Onondaga Community College

Presider: Tracey A. Clancy, Onondaga Community College

The observation has often been made that years seem to get shorter as we get older. We'll look at a mathematical explanation of this.

5:15 – 6:15

executive board meeting

7:00 – ?
Stonehenge B

banquet and keynote speaker:

Dr. Anne Burns: "Recursion in Nature, Mathematics and Art"

Detailed Program: Sunday

8:00 – 8:50 **breakfast (Courtyard Area)**

9:00 – 9:50 **one-hour sessions:**

Session 38
Stonehenge A

Presenter: Eric O'Brien, Bellmore Schools

Presider: Ida Klikovac, Nassau Community College

Karl Gauss begins our journey as we investigate a variety of functions. Afterwards your students can analyze how all our investigations are interrelated. Ah-Ha moments are guaranteed.

Session 39
Stonehenge D

Presenter: William Caroscio, Corning Community College

Presider: Russ Penner, Mohawk Valley Community College

A geometric construction will lead us to developing a parametric and rectangular algebraic representation for an often used function.

Session 40
Stonehenge B

Presenters: Jae Ki Lee, Teachers College, Columbia University
Julia Kim, Teachers College, Columbia University

Presider: Heather Huntington, Nassau Community College

Students continue to struggle with basic mathematics skills such as fraction decimals and percents. After years of teaching frustrated students who are taking zero credited basic mathematics class, I have developed The 2537 Rule, a simple and fast way for students to understand the concept of fractions. The 2537 Rule name comes from an existing division rule and its purpose is to change the ‘impossible’ to ‘possible’.

9:30 – 11:00 **coffee/tea/water available in the hall outside the presentation rooms**

10:00 – 10:25

half-hour sessions:

Session 41

Stonehenge A

Top Down Trinomials

Presenters: Michael Riedinger, Nassau Community College
Ida Klikovac, Nassau Community College

Presider: Heather Huntington, Nassau Community College

A method of teaching trinomial factoring to development/remedial students. The focus is on mastery of a single method of factoring, which is based on the ac Method, followed by a workshop approach to allow students to discover additional more efficient methods such as Difference of Two Squares, Reverse FOIL, Perfect Square Trinomials, etc.

Session 42

Stonehenge D

Inspiring Faculty through Film

Presenter: Andrea Blum, Suffolk County Community College

Presider: Maryam Vulis, Norwalk Community College

Hear about how the math faculty of Suffolk County Community College started a movie-of-the-month group as a professional development vehicle to inspire conversation and enthusiasm for our careers. Through discussions of films such as N is a Number, we have been able to share our passion for our profession with our colleagues and learn more about those who contributed to our field.

Session 43

Stonehenge B

Writing Activities from Arithmetic through Precalculus

Presenter: Sophia Georgiakaki, Tompkins Cortland Community College

Presider: Rafael Marino, Nassau Community College

Students know the answers but "cannot explain" how they got there. At TC3 writing is incorporated in various assignments ranging from Developmental Mathematics to Precalculus, where students have to document and justify every step in a solution, thus demonstrating their understanding of the material taught.

10:35 – 11:00

half-hour sessions:

Session 44

Stonehenge A

Mathematics for Liberal Arts Students

Presenter: Howard Sporn, Queensborough Community College

Presider: Russ Penner, Mohawk Valley Community College

What topics are being taught today in mathematics courses specifically aimed at liberal arts students? And what topics SHOULD be taught in such courses? This presentation will attempt to answer these questions. I will discuss several different approaches taken in Math for Liberal Arts courses, and will present data gathered around the country regarding the content of such courses. I will conclude by giving my own opinions about the topics that should be included.

Session 45

Stonehenge D

Ancient Accounting and Mathematics

Presenter: Maryam Vulis, Norwalk Community College

Presider: Ida Klikovac, Nassau Community College

This presentation will discuss the connection between the double-entry method of accounting and group theory.

Session 46

Stonehenge B

Portrait of the Artist as a Remedial Math Student: A Writing Teacher's Journey

Presenter: Susan Naomi Bernstein, LaGuardia Community College

Presider: Kimberley Martello, Monroe Community College

As an English teacher at two-year college, I became involved with a mathematics/English learning community through “Project Quantum Leap,” which employs the SENCER approach to teaching mathematics across the curriculum. Because I was once a remedial mathematics student, I decided to confront this issue through writing my own mathematics literacy narrative to prepare to deal with the challenges that students enrolled in remedial mathematics would encounter in a math-infused English course.