State University of New York College at Old Westbury

Presents

The Thirty-Third Annual
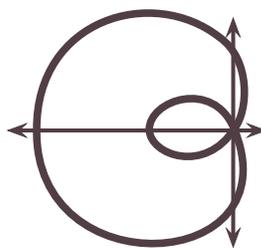
LIMAÇON

Long Island Mathematics Conference

Where Does Math Live?

Show Me!

Friday, March 15, 2019 – 7:45 A.M. to 2:35 P.M.

at SUNY College at Old Westbury, Campus Center

Co-sponsored by:

The Nassau County Mathematics
Teachers' Association
The Suffolk County Mathematics
Teachers' Association
The Nassau County Association
of Mathematics Supervisors
The Association of Teachers of
Mathematics of New York City
Partially funded by a grant from
NYS Department of Education

To register go to:

www.limathconference.org

LIMAÇON, designed for mathematics educators from primary through university level, provides opportunities for professional interactions and offers a forum for the exchange of concerns, innovative ideas, and achievable goals. This year's conference theme is: *Where does mathematics live? Show me!*

The **keynote speaker** is **Mr. Ron Lancaster**, associate professor at the University of Toronto, where he teaches mathematics courses for pre-service middle and high school teachers. He has over 20 years of experience teaching grades 7-12 mathematics. Ron's professional activities include consultations and conference presentations in North America, Asia, England, the Middle East, Africa, India and Europe. Ron is an author for the NCTM (The Mathematical Lens) and a member of the Advisory Board for the Museum of Mathematics in New York City. He is the recipient of the 2015 Margaret Sinclair Memorial Award Recognizing Innovation and Excellence in Mathematics Education awarded by the Fields Institute.

Ron has been a presenter at hundreds of conferences, including 57 National Council of Teachers of Mathematics Annual and Regional Conferences; 36 consecutive Ontario Association for Mathematics Education Annual Conferences; 8 East Asia Regional Council of Overseas Schools Conferences and 3 National Conferences on Graphing Calculators in Malaysia.

Session A (10:30 – 11:20)	Session B (11:35 – 12:25)	Session C (12:40 – 1:30)	Session D (1:45 – 2:35)
1. **We All Love a Challenge!** Kim Rosner, Tamryn C. Rosner	16. **Graphic Prompts** Joseph Porzio	26. **Guided Math** K. Rochford, D. Flaim, L. Lukasik	36. **Preventing Math Anxiety** Janis Mazza
2. **Hula Hoop Wholes** Christine Talbot	17. **Elem. Geometry/GeoGebra** Irina Lyublinskaya	27. **Pattern Blocks** Grace Quinlan	37. **Real World Math** Todd Lindbloom, Nancy Petee
3. **Place Value with Pizzazz** Diane Viola	18. **Hundred Board Activities** Vincent Altamuro	28. **Fluency with Functions** Tom Beatini	38. **Historical Perspectives on Pi** Eric O'Brien
4. **Discourse-Driven Classes** Tyrone Holmes	19. **Computation-Understanding** Lok Yung	29. **Pythagorean Madness** Eric O'Brien	39. **Nat'l Board Certification** C. Lorandini, E. Kamerer
5. **Conceptual Understanding** William Farber	20. **ZIP the Fly** John Titterton	30. **Mechanism Design** Michael Daly-Jones	40. **Growth Mindset in Math** Elana Reiser
6. **Mathematics-National Flags** Ron Lancaster	21. **Get Students Up and Moving** Marika Knight	31. **Area Models in Algebra** Rachel Griffin, Wendell Cheung	41. **GeoGebra and Your Lessons** Steven Goldman
7. **Flipped Learning** Peter Santoro	22. **Connecting Over Pi** Lidia Gonzalez	32. **Challenge the Gifted Student** David Linker	42. **Success in Geometry** Kristin Anglin
8. **Enhancing Geometry Classes** Daniel Goldbeck	23. **Surprises in Probability** Douglas Johnston	33. **Adventures of a Visiting Prof** Alvar Garcia-Fernandez	43. **TechnoMath Education** Paul Pelech
9. **YouTube in Math Instruction** Florence Frenkel	24. **Formative Assessment** Rickey Moroney	34. **NBA Math Hoops** Jayson Kiang	44. **Statistics for HS Students.** Aaron Marsh, Aashka Sanghvi
10. **Adv. Algebra with Finance** Robert Gerver	25. **First Teaching Position?** F. Wisnewski, R. Ambrosio	35. **First Year Math Teacher** Paul Pelech	45. **Probability and Statistics** Bobson Wong
11. **More Math – Fewer Tests** Jonathan Halabi			46. **STEM-A-Lama-Ding-Dong** Dana Morse
12. **Inferential Statistics** Sharon Whitton	7:45 - 8:30 CHECK-IN, CONTINENTAL BREAKFAST		47. **Math Acceleration Practices** Diana Kolhoff
13. **Formative Assessment** Irina Lyublinskaya	8:45 - 9:15 INTRO by L.I. Mathematics Conference Board		48. **Reduce Anxiety MyMathLab** Betty Berbari
14. **Power Pairs & Math** Alice Artzt	9:15 - 10:15 KEYNOTE ADDRESS by **Mr. Ron Lancaster – Associate Professor at the University of Toronto**		49. **Become a Math Supervisor** Ronald Labrocca
15. **Your First Year** Francine Wisnewski	10:30 - 2:35 SESSIONS A-D see schedule (all presentations held in the New Academic Building) BUFFET LUNCHEON during either session B or C		50. **Classroom Management** Bruce Waldner
	7:45 - 1:45 EXHIBITOR BOOTHS AVAILABLE		

1. **We All Love a Challenge!**   **Kim Rosner, Tamryn Cosette Rosner (K-2)**   **Nassakeag Elem/3 Village**
   Make math more fun and engaging by challenging your class to improve fluency with basic facts, write their own word problems, and work together using the Breakout EDU kit.

2. **Hula Hoop Wholes**   **Christine Talbot (K-2)**   **North Merrick Schools**
   In this workshop, participants will engage in a variety of math games and activities that incorporate hula hoops! We will construct and deconstruct numbers, explore parts and wholes, and strengthen number sense. No hula skills required!

3. **Place Value with Pizzazz**   **Diane Viola (3-5)**   **Willets Road School**
   This workshop will focus on hands-on ways to develop place value concepts and understanding in the upper elementary grades. We will work on number sense involving both whole numbers and decimals.

4. **Facilitating Conversations in Discourse-Driven Classrooms**   **Tyrone Holmes (3-8)**   **Curriculum Associates**
   Discourse-driven classrooms become a reality when all students are enabled to think critically and collaborate to solve problems. This session will focus on strategies for facilitating and enhancing math discussions.

5. **How Riddles Build Conceptual Understanding, Cooperatively**   **William Farber (6-8)**   **Mercy College**
   This workshop activity focuses on written and verbal communication as well as group interaction in a non-threatening mathematical environment.

6. **A Mathematical Look at National Flags**   **Ron Lancaster (6-8)**   **University of Toronto**
   Imagine looking at a flag and seeing shapes, symmetry, transformations, lines, curves and functions. Imagine writing contextualized mathematics tasks for your students to engage them in mathematical curiosity and discourse. Let's do it!

7. **Flipped Learning Can Help Reach Every Student Every Day**   **Peter Santoro (9-12)**   **Garden City HS**
   Learn how do we reach every student every day in every class? See how Flipped Learning can help you master the ability to reach every student.

8. **Enhancing Your Geometry Class**   **Daniel Goldbeck (9-12)**   **Syosset HS (ret)**
   Add spice to your geometry class with special topics, projects, and proofs. Participants will learn ways to make their geometry classes more fun for students and more fun to teach. Connections to the SAT and ACT will also be discussed.

9. **Using YouTube to Enhance Math Instruction**   **Florence Frenkel (9-12)**   **Henry Viscardi HS**
   YouTube has innumerable resources if you know where to look. There are catchy rhymes (like for midpoint formula), real world explanations with graphics & humor (like for functions), & fun, silly songs for concepts (like distance formula).

10. **Advanced Algebra with Finance-A 3rd/4th Year Math Credit**   **Robert Gerver (9-12)**   **North Shore HS (ret)**
    Selected topics from Algebra 2, Precalculus, trig, statistics, probability and geometry are used to cover banking, credit, insurance, income taxes, investment budgeting, mortgages and more, all with only an Algebra 1 prerequisite.

11. **Strategies for Teaching More Mathematics with Fewer Tests** **Jonathan Halabi (9-12)**   **HS of American Studies (Lehman College)**
    It is possible to teach more math, with fewer tests. I began dropping a test here or there to reduce stress on students. I tried alternatives to testing. Some worked; others didn't. Examples from Algebra, Geometry, Trig, Precalculus, electives.

12. **Making Meaning of Inferential Statistics**   **Sharon Whitton (College)**   **Hofstra University**
    Participants play dice and card games as they make meaning of the concepts of inferential statistics. These will include theoretical distributions, hypothesis testing, levels of significance, and more. Statistics can be really fun!

13. **Formative Assessment with Mobile Devices in Math**   **Irina Lyublinskaya (General)**   **CUNY College of Staten Island**
    In this interactive session you will learn about various ways mobile technology can be used to support students' mathematics learning through APPs and internet-based tools for mobile devices. Bring your own mobile device.

14. **From Power Pairs to Loving Mathematics and Teaching**   **Alice Artzt (General)**   **CUNY Queens College**
    This presentation will focus on different methods of peer tutoring and the effect on students' learning math, loving math, and teaching math.

15. **Your First Year in the Classroom!**   **Francine Wisnewski (Pre-Service)**   **Molloy College**
    New teachers will discuss the transition from student teaching to becoming a full-time teacher of mathematics at every level. Classroom management and parents as partners will be a few of the topics discussed.

16. **Graphic Prompts for Questioning (GPQs)**   **Joseph Porzio (K-2)**   **St. John's Univ. SINY**
    Graphic Prompts for Questioning (GPQs) The GPQ math cards (pre K, K, EC) are designed to provide supportive resources which promote and foster the building, developing and strengthening of proficiency in mathematics.

17. **Elementary Geometry with GeoGebra**   **Irina Lyublinskaya (1-5)**   **CUNY College of Staten Island**
    Learn how you can use GeoGebra in your classes to teach geometry topics to students in grades 1 - 5. This free multi-platform software/APP will engage your students in dynamic explorations, problem solving, and doing math! BYOD.

18. **Advanced Hundred Board Activities for Grades 5-6**   **Vincent Altamuro (5-6)**   **NYCDOE/Hunter College**
    The Hundred Board is not just for early grades. Students can solve problems by analyzing patterns and relationships, learn about algebraic expressions, find common factors and multiples, work with primes and composites, discover perfect, deficient, and abundant numbers and much more.

19. **Computation vs Conceptual Understanding**   **Lok Yung (6-12)**   **Baldwin Schools**
    I would like to discuss the differences between computation and conceptual understanding. This presentation will emphasize the difference and the importance of balancing the two.

20. **A Lovely Problem Featuring ZIP the Fly and His Pocket Laser** **John Titterton (9-12)**   **Syosset HS (ret)**
    And Zip knows Geometry. And Pythagoras. And the quadratic formula. And uses them all to find the radius of the table.

21. **Activities that Get Students Up and Moving**   **Marika Knight (9-12)**   **Friends Academy**
    Spending the day sitting at desks is ironically exhausting. Learn about different activities that get kids out of desks and moving about the classroom. "Mazes", "Find your Family Games" and more.

22. **Connecting Over Pi**   **Lidia Gonzalez (9-12)**   **CUNY York College**
    In this workshop we will engage in various activities around pi highlighting connections to content such as linear equations, data analysis, and even a gentle introduction to limits. Bring a graphing calculator if possible.

23. **Surprises in Probability**   **Douglas Johnston (9-College)**   **SUNY Farmingdale**
    Many mathematical "surprises" lurk in the field of probability and we'll explore some popular ones. We will illustrate with five classic problems that are great for promoting hands-on and experiential learning across the math spectrum.

24. **Formative Assessment**   **Rickey Moroney (General)**   **Molloy College**
    Using one of the online formative assessment tech tools presented, you will be able to develop an assessment for your students to meet a lesson objective.

25. **How Do You Land Your First Teaching Position?**   **Francine Wisnewski, Rosalie Ambrosio (Pre-Service)** **Molloy College**
    Pre-service teachers learn how to secure a teaching position; from writing a resume, to the interview process, to the demo lesson.

26. **Guided Math in the Primary Classroom**   K. Rochford, D. Flaim, L. Lukasik (K-2)   **Charles Campagne School**
Together, we will be presenting on our real-life experiences with teaching guided math in the primary classroom setting. We will discuss why we started this model in our classrooms, and how it helps us reach our student's math goals.

27. **Pattern Blocks and the Common Core**   Grace Quinlan (3-5)   **NCMTA**
Pattern blocks will be used to deepen the understanding of concepts and strengthen problem solving skills.

28. **Want to Develop Fluency with Functions? Algebrafy Patterns!**   Tom Beatini (6-8)   **Union City Schools**
Examine how sequences can be used to develop essential understandings of quantitative relationships and functions. Lessons will be provided that help students analyze change, develop conceptual understanding, and refine procedural fluency.

29. **Pythagorean Madness (To Infinity and Beyond)**   Eric O'Brien (6-12)   **MOEMS**
Let's look at the Pythagorean Theorem a little differently than you may have before and give your students an opportunity to delve into this gem in enlightening new ways!

30. **A Tale of Two Tournaments: An Exercise in Mechanism Design**   Michael Daly-Jones (9-12)   **Suffolk County CC**
The 2012 Women's Olympic Badminton scandal shows the weakness in the design of tournaments featuring a round-robin stage followed by a knockout stage. A revised scheme will be examined and applied to that tournament and World Cup 2018.

31. **Area Models in Algebra 1 and 2**   Rachel Griffin, Wendell Cheung (9-12)   **Brooklyn Prospect School**
Participants will gain an understanding of how to use area models to multiply, divide, and factor polynomials. We will discuss common student misconceptions and errors, followed by a brainstorm on interventions and responses.

32. **Challenging the Gifted Learner**   David Linker (9-12)   **CUNY City College of NY**
We will look at techniques and problems to challenge the gifted learners in your school. We will include "problems of the week" as well as problems that use math outside of the regular sequence.

33. **Adventures of a Visiting Professor**   Alvar Garcia-Fernandez (College)   **Baldwin HS**
I was asked to teach Calculus III at the local college last July just one week before the start of class. I had no materials, no textbook, no smartboard and no graphing calculators. What would you do? Come see my tech and coding solutions!

34. **NBA Math Hoops**   Jayson Kiang (General)   **Longwood HS**
NBA Math Hoops is a fast-paced basketball board game that allows students to learn fundamental math skills through direct engagement with the real statistics of their favorite NBA and WNBA players. It is a fun way to improve math fluency! (Jayson is Vice President of NYSAMS)

35. **How to Survive Your First Year as a Math Teacher**   Paul Pelech (General)   **Queens College / Westbury HS**
Entering the challenging and rewarding field of mathematics education can be overwhelming at first. Learn from an experienced teacher/administrator what is necessary to make the first year the best it can be. All are welcome.

36. **Preventing Math Anxiety**   Janis Mazza (K-5)   **Nassau County CC**
Math anxiety is a big issue as students get older. This workshop will focus on strategies to prevent math anxiety in the early stages.

37. **K-5 Mathematics/Real World/Promoting Student Choices**   Todd Lindbloom, Nancy Petee (K-5)   **Pearson**
When students are given a choice they are engaged. Hands on math activities make a classroom fun!! Let's explore some K-5 math activities that include interactive student choice, hands on activities and technology related interactives!

38. **Historical Perspectives on Pi**   Eric O'Brien (4-6)   **MOEMS**
Using STEAM, we can analyze how the number Pi came to be. We will use origami paper, graph paper and compasses to enhance our perspective.

39. **Do You Want to Be National Board Certified?**   Caryl Lorandini, Elizabeth Kamerer (6-12)   **Carle Place MSHS**
The National Board for Professional Teaching Standards Certification process offers experienced teachers the opportunity to demonstrate knowledge, skills, and accomplished teaching practices. Learn how to meet high and rigorous standards. (Caryl is President of AMTNYS)

40. **Cultivating a Growth Mindset in the Math Classroom**   Elana Reiser (6-12)   **St. Joseph's College**
After a brief introduction to the concept of growth mindset we will participate in activities that help to cultivate it in your mathematics classroom.

41. **How Can GeoGebra Enhance Your Lessons?**   Steven Goldman (6-12)   **Half Hollow Hills East**
GeoGebra is a free downloadable dynamic geometry software that can help teachers and students discover and enhance mathematical concepts which include, but are not limited to geometric proof, the Pythagorean Theorem and the Golden Ratio.

42. **Math 8: The Key to Success in Geometry CC**   Kristin Anglin (8-10)   **Valley Stream South HS**
We will focus on the parallels between Math 8 & Geometry CC. Highlighting the foundational skills needed for Geometry CC; especially for districts that accelerate all students.

43. **TechnoMath Education: Math + Technology = Awesome**   Paul Pelech (9-12)   **CUNY Queens College/Westbury HS**
Do not be afraid of the technology within your classroom! Learn to use free tools to enhance the mathematics instruction in your classroom by using smartphones, tablets, and Chromebook as motivators, not distractors to education.

44. **How Statistics Can Be a Better Pathway for HS Students**   Aaron K Marsh, Aashka Sanghvi (9-12)   **Plainview Old Bethpage**
In this workshop we will take a look at alternative pathways to the traditional HS mathematics sequence.

45. **Probability and Statistics Made Easy**   Bobson Wong (9-12)   **Bayside HS/NYCDOE**
We will demystify probability and statistics by discussing problems that lead up to Algebra I and II Regents exam questions.

46. **STEM-A-Lama-Ding-Dong**   Dana Morse (9-12)   **Texas Instruments**
Your graphing calculators can do so much more than $+$, $-$, $\times$, and $\div$. We will use the TI Codes to tap into the STEM features. Make mood rings, compose music, even drive a robotic car.

47. **Equitable Mathematics Acceleration Practices**   Diana Kolhoff (9-12)   **Math Consultant**
Quality math instruction is more important than the speed we "cover" topics. Can we slow down the pace to allow for a strong foundation, yet still access AP courses? Come join the conversation, because ALL students deserve access to math.

48. **Using MyMathLab to Reduce Test Anxiety**   Betty Berbari (College)   **SUNY Old Westbury**
College Algebra is a 4 credit course offering math proficiency. We have created hybrid courses, where lectures are mixed with required lab time. Students practice problems with unlimited attempts which decreases test anxiety.

49. **So You Want to Be A Math Supervisor?**   Ronald Labrocca (General)   **Hicksville Schools**
An introduction to the many issues that face a beginning Mathematics Supervisor/Chairperson/Director. An interactive in approach with situations presented and potential solutions discussed including parental concerns and SED regulations.

50. **Classroom Management that Works**   Bruce Waldner (Pre-Service)   **Farmingdale/SCCC**
One of the most common challenges to new teachers is Classroom Management. Students cannot learn in a disruptive environment. Research of techniques to maintain good behavior and a healthy environment will be explored.

Directions to SUNY College at Old Westbury

BY CAR: SUNY College at Old Westbury is located immediately north of the Long Island Expressway (495) in the Village of Old Westbury, Long Island, approximately 30 miles east of New York City.

The main entrance to the College is located on the west side of Route 107 approximately one-half mile north of Jericho Turnpike.

BY TRAIN: The Long Island Railroad stops at the Hicksville station. Train schedule and route information are available from the LIRR, 516-822-LIRR. Bus service is available to and from the Hicksville station Monday through Friday. Bus schedule information may be obtained from the MTA Info Center, 516-222-1000.

BY BUS: The College is accessible by bus via MTA bus route N20, which travels between Main Street, Flushing and the Hicksville railroad station along Northern Boulevard and Route 107. The bus connects with other MTA buses at various connecting points along Northern Boulevard and elsewhere. Call the MTA Information Center (number above) for schedule and additional route information.
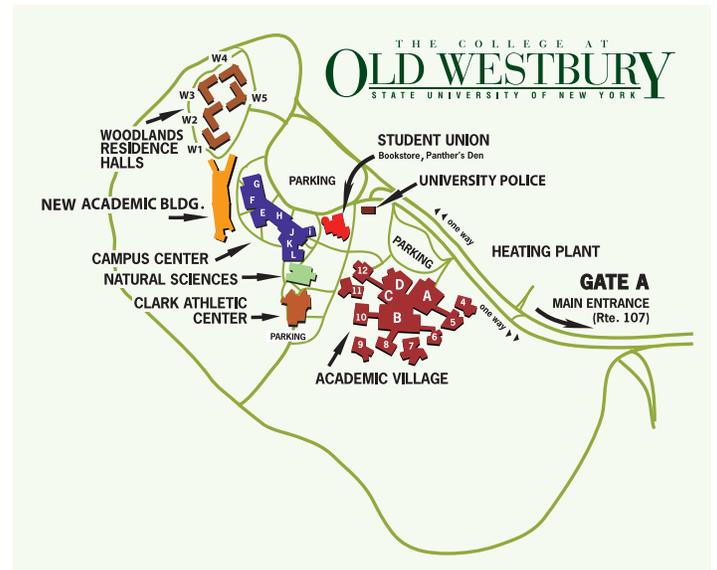
To register go to:

www.limathconference.org

When using a GPS device please make sure that it takes you to the main entrance off route 107.

Cost of Conference

Fee includes Continental Breakfast and Luncheon

Payment Options
Choose one that applies

$50 for members of one of the following – ATMNYC, NCAMS, NCMTA, SCMTA

$60 for nonmembers

$25 for full-time students

At the website you can select your preferred payment method

Credit Card via Eventbrite

School Purchase Order (PO)

Lunch Menu

#51   Chef Salad (no ham)

#52   Vegan/gluten free platter (baby spinach with roasted vegetables)

#53   Tuna Salad

#54   Egg Salad

#55   Chicken Salad

All Salads are served on a bed of romaine lettuce with additional toppings available.