THIRTEENTH INTERNATIONAL CONFERENCE ON FIBONACCI NUMBERS AND THEIR APPLICATIONS

Monday, July 7 – First Day of the Conference

8:30 – 9:30	Pick up packets and say hello - *Mathematics and Biology Building, Room 62*
9:30 – 9:50	Welcome and Announcements

Monday Morning Session – moderated by William Webb

Session Time	Title	Authors
9:50 – 10:10	Combinatorial Trigonometry through Chebyshev Polynomials	Arthur Benjamin, Larry Ericksen, Pallavi Jayawant, Mark Shattuck
10:10 – 10:30	New Variation on the Tower of Hanoi	Paul K. Stockmeyer, Fred Lunnon, Victor Mascolo
10:30 – 10:50	Counting *i*-paths	R. L. Ollerton
10:50 – 11:20	*Refreshment Break*	
11:20 – 11:40	Board Tiling of the Second Kind	Peter G. Anderson, Ryan H. Lewis
11:40 – 12:00	Triangles with coordinates of vertices from Pell and Pell-Lucas numbers	Zvonko Čerin , Gian Mario Gianella
12:00 – 1:30	*Lunch Break*	

Monday Afternoon Session – moderated by Peter Anderson

1:30 – 1:50	Spectral Properties of Some Combinatorial Matrices	Pante Stănică
1:50 – 2:10	Fibonacci Phyllotaxis by Asymmetric Cell Division: Zeckendorf and Wythoff Trees	Colin Paul Spears, Marjorie Bicknell-Johnson, John J. Yan
2:10 – 2:30	About *(a,b)*-Type Balancing-Numbers	Péter Olajos
2:30 -- 2:50	A Style of Music Characterized by Fibonacci Numbers and the Golden Ratio	Casey Mongoven
2:50 – 3:20	*Refreshment Break*	
3:20 -- 3:40	Beatty Sequences Generated Several Ways	Clark Kimberling
3:40 --4:00	Word Recurrences, with Word Reversals Radex and APFP Integer-Word Sequences	J. C. Turner
4:00 -- 4:20	Generalized Fibonacci Dynamical Systems	Adriano Fagiolini, Aldo Balestrino, Giancarlo Zini
4:20 – 4:40	Generalized Alternating Subsets with Permutations	Augustine O. Munagi
7:00 – 10:00	***Wine & Cheese Reception*** University Conference Center	

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Tuesday, July 8 – Second Day of the Conference

Tuesday Morning Session – moderated by Clark Kimberling

9:00 – 9:20	Independent Chess Pieces on Fibonacci Boards	Heiko Harborth
9:20 – 9:40	A p-adic formula for the Norlund numbers and for Bernoulli numbers of the second kind	Paul Young
9:40 – 10:00	Operators acting on sequences	Stefano Barbero
10:00 – 10:20	Hadamard Circulants and Recurrences	Moon Ho Lee, Veselin Vl. Vavrek
10:20 – 10:50	*Refreshment Break*	
10:50 – 11:10	$\varphi(F_n) = F_m$	Florian Luca, F. Nicolae
11:10 – 11:30	On Recurrences over Algebraic Number Fields Containing a dth Root of Unity	Lawrence Somer
11:30 – 11:50	Fibonacci Complementary Duality in Optimization	Akifumi Kira, Seiichi Iwamoto
11:50 – 1:30	***Lunch Break***	

Tuesday Afternoon Session – moderated by Marjorie Bicknell-Johnson

1:30 – 1:50	Proving Identities Involving Products of Recurrence Sequences and Binomial Coefficients	William Webb
1:50 – 2:10	Some Properties of Generalized Third Order Pell Numbers	A.G.Shannon, C.K. Wong
2:10 – 2:30	On Melham's Sum	Kiyota Ozeki
2:30 - 2:50	On some new Fibonacci identities	Hideyuki Ohtsuka, Shigeru Nakamura
2:50 – 3:20	*Refreshment Break*	
3:20 – 3:40	Restricted Occupancy of s Kinds of Cells and Generalized Pascal Triangles	Spiros D. Dafnis, Frosso S. Makri, Andreas N. Philippou
3:40 - 4:00	Fibonacci Representations and Wythoff Arrays	Larry Ericksen
4:00 – 4:20	An Entry Point Algorithm for High-Speed Factorization	Ramón Glez-Regueral
4:20 – 4:40	Fibonacci Jacket Conference Matrices	Moon Ho Lee, Veselin Vl. Vavrek
4:40 – 5:00	A Canonical formulation to applied physics problems with exogenous boundary conditions using Fibonacci-sequence like Boubaker polynomials	Karem Ben Mahmoud Boubaker

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Wednesday, July 9 – Third Day of the Conference

Wednesday Morning

9:00 - 12:00   Tour of Patras

12:00 – 1:30   *Lunch Break*

Wednesday Afternoon Session - - Moderated by Art Benjamin

1:30 – 1:50	Complementary Equations and Zeckendorf Arrays	Clark Kimberling, Peter Moses
1:50 – 2:10	Triangular Number Patterns in the Coefficients and Diagonal Sequences of Zernike and Related Polynomials	Rebecca A. Hillman, Michael R. Bacon, Charles K. Cook
2:10 – 2:30	On Products of Fibonacci Numbers and Their Recurrence Relations	Charles K. Cook, Rebecca Hillman
2:30 – 2:50	The 1/3 – 2/3 prime proportion in $\alpha^n + \bar{\alpha}^n$.	Christian Ballot

2:50 – 3:30   **Refreshment Break**

3:30 – 4:30   **Edouard Lucas Invited Lecture**
                              Primality testing – variations on a theme of Lucas   Carl Pomerance

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Thursday, July 10 – Fourth Day of the Conference

Thursday Morning Session – moderated by Florian Luca

9:00 - 9:20	Knapsack Cryptography Using Recurrence Sequences	William Webb, Bala Krishnamoorthy, Nathan Moyer
9:20 – 9:40	On The Ljunggren Equation $y^2 = 2x^4 - 1$	Konstantinos A. Draziotis
9:40 – 10:00	Mixed succession rules: the commutative case	Silvia Bacchelli, Luca Ferrari, Renzo Pinzani
10:00 – 10:20	Generalizations of the Bramhagupta Polynomials	Medha Bodas, Samih Obaid
10:20 – 10:50	*Refreshment Break*	
10:50 – 11:10	Convolutions Associated with Tilings of the Second Kind	Peter G. Anderson, Ryan H. Lewis
11:10 – 11:30	Diophantine equations and balancing numbers	Liptai Kálmán
11:30 – 11:50	On the generalization of the Fibonacci-coefficient polynomials	Ferenc Mátyás
11:50 – 1:30	***Lunch Break***	

Thursday Afternoon Session – moderated by Karl Dilcher

1:30 – 1:50	Lucas $\left(a_1, a_2, \cdots, a_k = 1\right)$ Sequences and Pseudoprimes	Curtis Cooper
1:50 – 2:10	Lucas Quotient Lemmas	Marjorie Bicknell-Johnson, Colin Paul Spears
2:10 – 2:30	Central Trinomial Coefficients and Convolution Type Identities	Roman Witula, Damian Stota
2:30 – 2:50	Quasi-Fibonacci Numbers of Order 13	Roman Witula, Damian Stota
2:50 – 3:20	*Refreshment Break*	
3:20 – 3:40	Fibonacci Sequence and its Extensions through Differential Equations	S.P. Pethe
3:40 – 4:00	The (p,q)-Fibonacci Hyperbolic Functions and Their Properties	Gülfer Tatar, Neşe Ömür, Yücel Türker Ulutaş
4:00 – 4:20	On Fibonacci k-Vectors and Their Applications	Neşe Ömür, Yücel Türker

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		Ulutaş
4:20 – 4:40	Fundamental Theorem For Generalized Quaternions	Marco Abrate
4:40 – 5:00	Title TBA	Bennett Stancil

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Friday, July 11 – Fifth Day of the Conference

Friday Morning Session -- moderated by Curtis Cooper

9:00 – 9:20	Stern polynomials and continued fractions	Karl Dilcher
9:20 – 9:40	On Compositeness in Multicompositions	Temba Shonhiwa
9:40 – 10:00	Digital Roots, Vedic Multiplications and Fibonacci Numbers	Osman Yürekli
10:00 – 10:20	Log-concavity and unimodality in Pascal triangles	László Szalay, H. Belbachir, F. Bencherif
10:20 – 10:50	*Refreshment Break*	
10:50 – 11:30	Problem Session	
11:30 – 11:50	Business Meeting	
12:00 – 1:30	*Lunch Break*	
1:30 – 5:00	Fibonacci Board of Directors Meeting	