Erdős Centennial Program
July 1, Monday

9:00–9:30	Opening Ceremony				
9:30–10:20	**Béla Bollobás**: *The Phase Transition in the Erdős–Rényi Random Graph Process*				
10:20–11:05	**Coffee break**				
11:05–11:55	**Vilmos Totik**: *Erdős on polynomials*				
12:00–12:50	**Ben Green**: *The sum-free set constant is $\frac{1}{3}$*				
12:50–14:30	**Lunch break**				
	Reading Room 1st floor	Large Lecture Hall 2nd floor	Ceremonial Hall 1st floor	Small Lecture Hall 2nd floor	Dome Hall 3rd floor
	Number Theory	Gallai Memorial Session	Combinatorics	Analysis	Probability Theory
14:30–15:00	**Andrzej Schinzel**: *On sum of powers of the positive integers*	**Alexander Schrijver**: *Tibor Gallai's basic work in combinatorial optimization*	**Tom Sanders**: *Roth's theorem on arithmetic progressions*	**Benjamin Weiss**: *Paul Erdős as an ergodic theory pioneer*	**Jean-François Le Gall**: *The range of tree-indexed random walk*
15:05–15:35	**Cameron Stewart**: *On the greatest prime factor of $2^n - 1$*	**Bjarne Toft**: *Gallai, colourings and critical graphs – a 50 year anniversary*	**Ehud Friedgut**: *A sharp threshold for Ramsey properties of random sets of integers*	**Pertti Mattila**: *Singular integrals on subsets of metric groups*	**Bálint Tóth**: *Erdős–Rényi Random Graphs + Forest Fires = Self-Organized Criticality*
15:40–16:10	**Robert Tichy**: *Metric Discrepancy Theory*		**Gyula O.H. Katona**: *Results on largest families of sets, following theorems of Sperner and Erdős*	**Zoltán Buczolich**: *Divergent square averages and related topics*	**Zhan Shi**: *Local time of random walks on trees*
16:10–16:55	**Coffee break**				
16:55–17:25	**Attila Pethő**: *Primes and the Internet*	**Gábor Simonyi**: *Applications and extensions of a theorem of Gallai*	**Asaf Shapira***: *Deterministic vs Non-deterministic Graph Property Testing*	**Assaf Naor**: *Super-expanders*	**Krzysztof Burdzy**: *Forward Brownian Motion*
17:30–18:00	**Cécile Dartyge**: *The Chebychev's problem for the twelfth cyclotomic polynomial*	**László Lovász**: *Tibor Gallai and matching theory*	**József Balogh**: *Phase transitions in Ramsey-Turán Theory*		**Bálint Virág**: *Independent sets in sparse graphs*
18:05–18:35	**Christian Mauduit**: *Prime Number Theorems for deterministic sequences*		* delivered by Noga Alon		**Márton Balázs**: *Asymmetric exclusion: a way to anomalous scaling*

July 2, Tuesday				
9:00–9:50	**Timothy Gowers:** *Erdős and arithmetic progressions*			
9:50–10:35	**Coffee break**			
10:35–11:25	**Daniel Mauldin:** *Steinhaus' problem on simultaneous tilings of the plane*			
11:30–12:20	**János Pach:** *Paul Erdős and the beginnings of geometric graph theory*			
12:20–14:00	**Lunch break**			
14:00–14:30	Poster Session			
	Reading Room 1st floor	Large Lecture Hall 2nd floor	Ceremonial Hall 1st floor	Small Lecture Hall 2nd floor	Dome Hall 3rd floor
	Number Theory	Theory of Computing	Combinatorics	Approximation Theory	Set Theory
14:30–15:00	**Harold G. Diamond:** *Optimal Chebyshev Bounds for Beurling Generalized Numbers*	**Miklós Ajtai:** *Lower Bounds for RAMs and Quantifier Elimination*	**Miklós Simonovits:** *The exact solution of the Erdős–T. Sós conjecture I*	**Dany Leviatan:** *Weighted D-T moduli revisited and applied*	**Sy-David Friedman:** *Cardinals and Ordinal Definability*
15:05–15:35	**Robert Tijdeman:** *Representations as sums of products of fixed primes*	**Pavel Pudlák:** *The proof complexity of the finite Ramsey theorem*	**Endre Szemerédi:** *The exact solution of the Erdős–T. Sós conjecture II*	**Giuseppe Mastroianni:** L^p-*convergence of Lagrange and Hermite interpolation*	**István Juhász:** *Resolvability of topological spaces*
15:40–16:10	**Helmut Maier:** *Smooth numbers and zeros of Dirichlet- L- functions*	**Boaz Barak:** *On Algebraic vs Combinatorial Computational Problems*	**Oleg Pikhurko:** *Asymptotic Structure of Graphs with the Minimum Number of Triangles*	**Manfred Golitschek:** *On the L_∞-norm of the L_2-spline projector*	**Piotr Koszmider:** *Uncountable combinatorics of Boolean algebras in Banach spaces*
16:10–16:55	**Coffee break**			
16:55–17:25	**Sergei Konyagin:** *Numbers that become composite after changing one or two digits*	**Chris Umans:** *On sunflowers and matrix multiplication*	**Ralph Faudree:** *Saturation Numbers for Graphs*	**Allan Pinkus:** *On Ridge Functions*	**Lajos Soukup:** *On properties of families of sets*
17:30–18:00	**Kevin Ford:** *Multiplicative structure of integers, shifted primes and arithmetic functions*	**Moses Charikar:** *Local Global Tradeoffs in Metric Embeddings*	**Deryk Osthus:** *Hamilton decompositions of regular expanders: a proof of Kelly's conjecture for large tournaments*	**Songping Zhou:** *A New Important Development to Uniform Convergence of Trigonometric Series*	Algebra **Aner Shalev:** *Words and Groups*
18:05–18:35	**Gérald Tenenbaum:** *On the core of an integer*	**László Babai:** *Testing Isomorphism of Steiner 2-designs and Strongly Regular Graphs*			
19:00–19:30	**Erdős 100, a film directed by George Csicsery**			

	July 3, Wednesday				
9:00–9:50	**Noga Alon**: _Paul Erdős and Probabilistic Reasoning_				
9:50–10:35	Coffee break				
10:35–11:25	**Elon Lindenstrauss**: _Spectral gap and self-similar measures_				
11:30–12:20	**Carl Pomerance**: _Paul Erdős and the rise of statistical thinking in elementary number theory_				
12:20–14:00	Lunch break				
14:00–14:30	Poster Session				
	Reading Room 1st floor	Large Lecture Hall 2nd floor	Ceremonial Hall 1st floor	Small Lecture Hall 2nd floor	Dome Hall 3rd floor
	Number Theory	Graph Homomorphisms	Combinatorics	Analysis	Probability Theory
14:30–15:00	**András Sárközy**: _On additive and multiplicative decompositions of subsets of $\mathbb{F}_p$_	**Balázs Szegedy**: _On the Erdős–Simonovits, Sidorenko Conjecture_	**Gábor Tardos**: _On the local chromatic number and its variants_	**Paul Humke**: _Differentiation properties related to the Keleti perimeter to area conjecture_	**Domokos Szász**: _Erdős-type theorems for billiard models_
15:05–15:35	**Bob Hough**: _The least modulus of a covering set is uniformly bounded_	**Xuding Zhu**: _Circular flow of signed graphs_	**Andrew Thomason**: _List colouring of graphs and hypergraphs_	**Kenneth Falconer**: _Some Problems in Measure Combinatorial Geometry_	**Itai Benjamini**: _Random walk on planar graphs_
15:40–16:10	**Antal Balog**: _The 'Decomposition Theorem'_	**Pavol Hell**: _Combinatorial Dichotomy Classifications_	**Andrzej Ruciński**: _On a Hamiltonian Problem For Triple Systems_	delivered by Mathias Schacht	**József Beck**: _What is geometric entropy, and does it really increase_
16:10–16:55	Coffee break				
16:55–17:25	**Javier Cilleruelo**: _Infinite Sidon sequences_	**Alex Scott**: _Discrepancy of graphs and hypergraphs_	**Mathias Schacht**: _Extremal results in random graphs_		**Tamás Móri**: _A random graph model with duplication_
17:30–18:00	**Gyula Károlyi**: _Restricted set addition in finite groups_	**Patrice Ossona de Mendez**: _Low Tree-depth Decompositions_	**Fan Chung**: _Recent results and problems in spectral graph theory_		**Gábor Pete**: _Exceptional times in dynamical percolation, and the Incipient Infinite Cluster_
18:05–18:35		**Jaroslav Nešetřil**: _Orderings of sparse graphs_	**Michael Krivelevich**: _Biased positional games and the Erdős paradigm_		
19:00–19:30	Erdős 100, a film directed by George Csicsery				

July 4, Thursday				
9:00–9:50	**Terence Tao**: *Sets with few ordinary lines*			
9:50–10:35	**Coffee break**			
10:35–11:25	**Yuval Peres**: *Coloring a graph arising from a lacunary sequence, Diophantine approximation, and constructing a Kakeya set: Applications of the probabilistic method*			
11:30–12:20	**Vojtěch Rödl**: *On two Ramsey type problems for K_{t+1}-free graphs*			
12:20–14:00	**Lunch break**			
14:00–14:30	Poster Session			
	Reading Room 1st floor	Large Lecture Hall 2nd floor	Ceremonial Hall 1st floor	Small Lecture Hall 2nd floor	Dome Hall 3rd floor
	Number Theory	Ramsey Theory	Combinatorics	Diophantine Number Theory	Algebra
14:30–15:00	**Jean-Marc Deshouillers**: *On the coefficients of the powers of a Laurent series algebraic over $\mathbb{F}_q(X)$*	**Benny Sudakov**: *Paul Erdős and Graph Ramsey Theory*	**Alexandr Kostochka**: *On a conjecture by Gallai and a question by Erdős*	**Kálmán Győry**: *Perfect powers in products with terms from arithmetic progression – A survey*	**László Pyber**: *Random generation of finite and profinite groups*
15:05–15:35	**Vsevolod Lev**: *Flat-containing and shift-block-ing sets in finite vector spaces*	**Jacob Fox**: *A relative Szemerédi theorem*	**Gil Kalai**: *Some old and new problems in combinatorics and geometry*	**Mike Bennett**: *Shifted powers in binary recurrence sequences*	**Jan-Christoph Schlage-Puchta**: *Origami and the product replacement algorithm*
15:40–16:10	**Igor Shparlinski**: *Distribution of Points on Varieties over Finite Fields*	**Yoshiharu Kohayakawa**: *The regularity method and Ramsey theory*	**János Körner**: *From intersection theorems to capacity results*	**Yann Bugeaud**: *On the continued fraction expansion of algebraic numbers*	**Miklós Abért**: *A p-adic analogue of the Erdős–Turán statistical group theory*
16:10–16:55	**Coffee break**				
16:55–17:25	**Joël Rivat**: *On the digits of prime numbers*	**József Solymosi**: *On the sum-product problem*	**Svante Janson**: *Graph properties, graph limits and entropy*	**Jan-Hendrik Evertse**: *P-adic decomposable form inequalities*	**Alexander Ivanov**: *Majorana representation of the Monster*
17:30–18:00	**András Biró**: *A Poisson-type summation for-mula with automorphic weights*	**Ronald Graham**: *Paul Erdős and Egyptian Fractions*	**Dhruv Mubayi**: *Intersection Theorems for Finite Sets*	**Ákos Pintér**: *Variations on a theme: the power values of power sums*	
18:05–18:35	**Michael Drmota**: *Gelfond problems on the sum-of-digits function and subsequences of automatic sequences*		**Éva Tardos**: *Games, Auctions, Learning, and the Price of Anarchy*	**Lajos Hajdu**: *A Hasse-type principle for exponential diophantine equations and its applications*	
19:00–22:00	**Conference banquet – boat cruise**				

	July 5, Friday				
9:00–9:50	**Tomasz Łuczak:** *Threshold functions: a historical overview*				
9:50–10:35	**Coffee break**				
10:35–11:25	**János Pintz:** *Paul Erdős and the difference of primes*				
11:30–12:20	**Péter Komjáth:** *Finite substructures of uncountable graphs and hypergraphs*				
12:20–14:00	**Lunch break**				
14:00–14:30	Poster Session				
	Reading Room 1st floor	Large Lecture Hall 2nd floor	Ceremonial Hall 1st floor	Small Lecture Hall 2nd floor	Dome Hall 3rd floor
	Number Theory	Probabilistic Method	Combinatorics	Approximation Theory	Set Theory
14:30–15:00	**Imre Kátai:** *Arithmetical functions with regular behaviour*	**Angelika Steger:** *How to learn quickly*	**Ervin Győri:** *Hypergraph generalizations of the extremal graph theorem of Erdős and Gallai on paths*	**Péter Vértesi:** *Paul Erdős and interpolation: Problems, results and new developments*	**Gregory Cherlin:** *Universal Graphs with Forbidden Subgraphs*
15:05–15:35	**Krishnaswami Alladi:** *Multiplicative functions and small divisors*	**Nick Wormald:** *A new model for analysis of the random graph d-process*	**Zoltán Füredi:** *Turán type hypergraph problems: partial trees and linear cycles*	**Tamás Erdélyi:** *The Mahler measure of the Rudin-Shapiro polynomials*	**Norbert Sauer:** *Edge labelled graphs and metric spaces*
15:40–16:10	**Aleksandar Ivić:** *The divisor function and divisor problem*	**Oliver Riordan:** *The evolution of Achlioptas processes*	**András Gyárfás:** *Problems and memories*	**Boris Shekhtman:** *Some problems and results in multivariate interpolation*	**Jean Larson:** *Counting G-tops*
16:10–16:55	**Coffee break**				
16:55–17:25	**Mihály Szalay:** *Paul Erdős's results and influence in the theory of integer partitions*	**Mihyun Kang:** *Recent developments in phase transitions and critical phenomena: 54 years since the seminal work of Erdős and Rényi*	**William Trotter:** *Tree-width and dimension*	**Len Bos:** *Fekete Points as Norming Sets*	**Matthew Foreman:** *Random graph techniques and banking system failures*
17:30–18:00		**David Conlon:** *On the KŁR conjecture in random graphs*	**Zsolt Tuza:** *Graph coloring and covering*	**Vilmos Komornik:** *Expansions in noninteger bases and Pisot numbers*	
18:05–18:35		**Joel Spencer:** *Six Standard Deviations Still Suffice*			