KUNGL. VETENSKAPS-AKADEMIEN
THE ROYAL SWEDISH ACADEMY OF SCIENCES

Celebration of Complexity

Date: 11-12 June 2026
Venue: The Beijer Hall, The Royal Swedish Academy of Sciences, Lilla Frescativägen 4A, Stockholm.

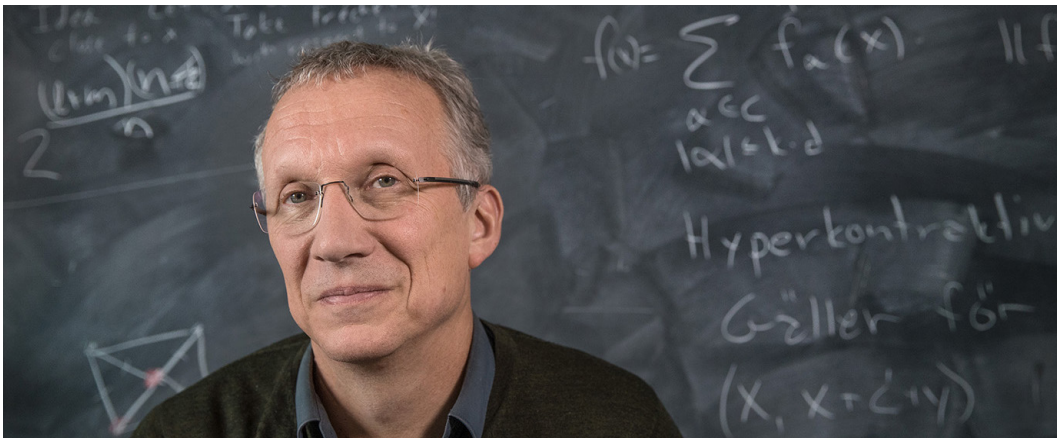

Photo: Magnus Bergström

For more than 40 years, Professor Johan Håstad has been a leading researcher in computational complexity theory. This mini-symposium will celebrate and explore his profound impact on a number of different areas ranging from circuit complexity and cryptography to approximation algorithms and pseudorandomness.

Talks by invited speakers; collaborators, friends, and others influenced by Johan's work.

Programme

Thursday June 11

09:30
Avi Wigderson - "The Value of Errors in Proofs"

10:30
Coffee break

11:10
Martin Ekerå - "On the inevitable end — of asymmetric cryptography as we have known it"

12:00
Lunch

13:30
Shafi Goldwasser - "RSR: from Cryptography to ML theory and practice"

14:30
Rafael Pass - "Cryptography and Kolmogorov Complexity, through the lens of HILL"

15:00
Fika

15:30
Madhu Sudan - "Johan the optimal: Tales of linearity testing, clique and MaxSAT"

16:30
End of Day 1

Friday June 12

09:30
Prahladh Harsha - "Criticality of Johan: Switching Lemma to Correlation Bounds"

10:30
Coffee break

11:00
Pavel Pudlak - "Depth-3 circuits and the superstrong ETH"

11:30
Jakob Nordström - "Unconditional Lower Bounds for Algebraic Approaches to Graph Colouring"

12:00
Lunch

13:30
Venkatesan Guruswami - "Johan, Codes, and Promises"

14:30
Ola Svensson - "High Expectations, Small Deviations, and Stochastic Vertex Cover"

15:00
Fika

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15:30
Ryan O'Donnell - "Efficient PCPs and the KO Complex"

16:30
End of Symposium

The symposium is organised by the Royal Swedish Academy of Sciences with additional support by The Department of Mathematics at KTH Royal Institute of Technology, Department of Theoretical Computer Science at KTH Royal Institute of Technology and KTH Digital Futures.