

STATISTICS OF LANGUAGES THEORIES AND EXPERIMENTS

Warsaw, Poland, 19th–22nd July 2017

Sponsored by

SAMSUNG

Wednesday, 19th July 2017

- 8:30-9:30: Registration
- 9:30-10:00: Opening
(led by Łukasz Dębowski)
- 10:00-11:00: Estate Khmaladze
On Infinite Divisibility and the Large Number of Rare Events, in Texts and Elsewhere
(chaired by Łukasz Dębowski)
- 11:00-11:30: Coffee
- 11:30-12:30: Isabel Serra, Christian Bentz, Alvaro Corral, Ramon Ferrer-i-Cancho
The Zipf Law of Abbreviation from a Statistical Point of View
(chaired by Łukasz Dębowski)
- 12:30-13:30: Lunch
- 13:30-14:30: Giampaolo Cristadoro, Mirko Degli Esposti, Eduardo G. Altmann
On the relationship between symmetry and structure in DNA sequences
(chaired by Ramon Ferrer-i-Cancho)
- 14:30-15:30: Alvaro Corral, Irina Espejo
From Boltzman to Zipf through Jaynes
(chaired by Ramon Ferrer-i-Cancho)
- 15:30-16:00: Coffee
- 16:00-17:00: Christian Bentz, Dimitrios Alikaniotis, Michael Cysouw, Ramon Ferrer-i-Cancho
Word Entropy across More than 1000 Languages: The Linear Relationship between Unigram Entropy and Entropy Rate
(chaired by Ramon Ferrer-i-Cancho)
- 17:00-19:00: Welcome reception
(at the workshop venue)

Thursday, 20th July 2017

- 9:00-10:00: Eduardo G. Altmann, Martin Gerlach
A Statistical Interpretation of Linguistic Laws
(chaired by Kumiko Tanaka-Ishii)
- 10:00-11:00: Martin Gerlach, Eduardo G. Altmann
From Universality to Variability in the Statistics of Word Frequencies using Generalized Entropies
(chaired by Kumiko Tanaka-Ishii)
- 11:00-11:30: Coffee

- 11:30-12:30: Poster session
 Dániel Czégel, Maxi San Miguel, **A minimal model of text generation: random walk on structured scale free network**
 Ezequiel Koile, Maya Inbar, Damian Blasi, Eitan Grossman, **What determines borrowability? A quantitative cross-linguistic study**
 Julian Sienkiewicz, Eduardo G. Altmann, **Impact of lexical and sentiment factors on the popularity of scientific papers**
- 12:30-13:30: Lunch
- 13:30-14:30: Fermín Moscoso del Prado
Mommy Only Really Cares about My Grammar! Child-Mother Dyads Integrate a Dynamical System
(chaired by Łukasz Dębowski)
- 14:30-15:30: Damian E. Blasi
Language Adaptation and Change
(chaired by Łukasz Dębowski)
- 15:30-16:00: Coffee
- 16:00-17:00: Urszula Oleszek
Do We Need Deep Learning for Recognizing Phrases in the Natural Language?
(chaired by Łukasz Dębowski)
- 19:00-22:00: Conference dinner
(at Restaurant Stolica, ul. Szeroki Dunaj 1/3, Old Town)

Friday, 21st July 2017

- 9:00-10:00: Francesc Font-Clos
Zipf's Law, Heaps' Law, and the Project Gutenberg Corpus
(chaired by Kumiko Tanaka-Ishii)
- 10:00-11:00: Stuart Semple
Linguistic Laws in Non-Human Primate Communication
(chaired by Kumiko Tanaka-Ishii)
- 11:00-11:30: Coffee
- 11:30-12:30: Ramon Ferrer-i-Cancho
Compression as a General Principle of Language
(chaired by Kumiko Tanaka-Ishii)
- 12:30-13:30: Lunch
- 13:30-14:30: Kumiko Tanaka-Ishii
Generative Models Producing Power Laws of Language
(chaired by Ramon Ferrer-i-Cancho)
- 14:30-15:30: Łukasz Dębowski
Natural Language and Strong Nonergodicity
(chaired by Ramon Ferrer-i-Cancho)
- 15:30-16:00: Coffee
- 16:00-17:00: Discussion & closing
(led by Ramon Ferrer-i-Cancho)

Saturday, 22nd July 2017

- 10:00-13:00: Guided walking tour of Warsaw
(start at Sigismund's Column, Castle Square, Old Town)