

## Identification, location and temporal evolution of topics

Data and algorithm – comparison of approaches

Library and Information Centre of the Hungarian Academy of Sciences  
Arany János st. 1, 1051 Budapest  
29-30 August 2016

## Workshop program

Monday 29<sup>th</sup> August 2016

08.30 Registration

09.00 Welcome

09.15 **Theresa Velden**: Mapping the cognitive structure of astrophysics combining different levels of organization: a citation and journal based approach

09.45 **Wolfgang Glänzel**: Lexical analysis of scientific publications for nano-level scientometrics

10.15 Coffee Break

10.45 **Kevin Boyack**: The Tradeoff between Altruism and Economic Growth in the Research Focus of Nations

11.15 **Tim Evans**: The Location of Papers in Topic Space-Time

11.45 **Edgar Schiebel**: Bibliometric field delineation with heat maps of bibliographically coupled publications using core documents and a cluster approach—the case of multiscale simulation and modelling

12.15 **George Kampis**: Blindfolded NLP: Unsupervised Learning for Automatically Generating Topic Labels

12.45 Lunch Break

### Panels and Discussions

14.15 Author panel on the *Scientometrics* special issue „Same data, different results”  
Facilitator: **Andrea Scharnhorst**

15.45 Coffee Break

16.15 Validation methods for topic extraction results (Discussion)  
Facilitator: **Jochen Gläser**

**KNOWeSCAPE**



Tuesday 30<sup>th</sup> August 2016

09.30 **Marcus John**: Technology foresight and the concept of emerging topics

10.00 **Sándor Soós**: Disciplinary structure and topical complexity in SSH—the IMPACT EV mission

10.30 Coffee Break

11.00 **Haluk Bingol**: Context sensitive article ranking with citation context analysis

11.30 **Péter Pollner**: Quantifying the changing role of past publications

12.00 **Gergely Tibély**: Hierarchical organisation of scientific journals

12.30 Lunch Break

### Panels and Discussions

14.00 Future plans on the challenge of topic extraction (Discussion)  
Facilitator: **Theresa Velden**

15.00 Synergies with the IMPACT EV project (Discussion for participants of the project)  
Facilitator: **Sándor Soós**



KNOWeSCAPE „Analyzing the dynamics of information and knowledge landscapes”  
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