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Global TechMining Conference 2016

Proceedings of the 6th Global TechMining Conference
September 13, 2016 . València, Spain.

09:40-10:40 Session 1A: TECHMINING METHODS

Wolfgang Glänzel, Sarah Heeffer and Bart Thijs

09:40 **Lexical analysis of scientific publications for nano-level scientometrics**

[abstract](#) | [presentation](#)

Ying Huang, Qi Lv, Donghua Zhu, Alan Porter and Xuefeng Wang

10:00 **Early insights of Emerging Sources Citation Index (ESCI): a bibliometrics analysis and overlap mapping method**

[abstract](#) | [presentation](#)

Lexi White

10 **Mapping Sugar Sweetened Beverage Policy: TechMining Across SCOPUS and LexisNexis**

[abstract](#)

09:40-10:40 Session 1B: TECHMINING INDICATORS

Giorgio Triulzi and Chris Magee

09:40 **Knowledge discontinuities, obsolescence and the rate of technology performance improvements**

[abstract](#)

Jan Youtie, Gregg Solomon, Stephen Carley, Seokbeom Kwon and Alan Porter

10:00 **Disciplinary Integration and the Role of Border Fields**

[abstract](#)

Konstantin Fursov and Alina Kadyrova

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Tags

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M&A machine learning MEDLINE MOT

Nanotechnology NEDD

Neglected Diseases Patent data pharmaceuticals

research collaboration

Research Profiling SCI science mapping solar

SSCI synthetic biology

Technical Emergence

Technology Roadmapping

term clustering Topic Modeling (TM) Wos

10:20 ***How the analysis of structural holes in academic discussions helps in understanding genesis of advanced technology***

[abstract](#) | [presentation](#)

11:05-12:05 Session 2A: TECHNICAL EMERGENCE

Jos Winnink, Robert Tijssen and Ton Van Raan

11:05 ***Finding factors behind potential breakthrough papers***

[abstract](#) | [presentation](#)

Stephen Carley, Nils Newman, Alan Porter and Jon Garner

11:25 ***A Measure of Staying Power: Does the Persistence of Emergent Concepts Significantly Vary by Technology Space?***

[presentation](#)

Daniele Rotolo

11:45 ***Networks dynamics in the case of emerging technologies***

[abstract](#) | [presentation](#)

11:05-12:05 Session 2B: TECHMINING FOR INNOVATION STRATEGY

Yi Zhang, Ying Huang, Qian Yue and Ying Guo

11:05 ***Rejecting Moderation: An Entropy-based Indicator System for Measuring Patent Technological Innovation Potential***

[abstract](#)

Nadezhda Mikova

11:25 ***Integration of tech mining into technology roadmapping: advanced tools for creating, validating and updating technology roadmaps***

[abstract](#)

Chunjuan Luan

11:45 ***The evolution of the disciplinary structure of Nanoscience & Nanotechnology***

[abstract](#) | [presentation](#)

13:45-15:00 Session 3A: METHODS IN RESEARCHER DISAMBIGUATION & CLASSIFICATION

Hongqi Han

13:45 ***Research on Author Name Disambiguation Based on Semantic Fingerprint***

[abstract](#)

Christopher Harrison and Rich Corken

14:05 ***Gender profiles in patenting: analysing female inventorship***

[abstract](#) [presentation](#)

Maria Karaulova, Abdullah Gök and Philip Shapira

14:25 ***Identifying Author Heritage Using Surname Data***

[abstract](#)

Mehmet Ali Abdulhayoglu and Bart Thijs

14:45 **Leveraging ResearchGate for the purpose of Author Name Disambiguation**
[abstract](#) | [presentation](#)

13:45-15:00 Session 3B: TECHMINING APPLICATIONS: Biomedical

Philippe Gorry

13:45 **Pharma Competitive Intelligence using open source data and visualization tool: towards metrics for drug R&D milestones**
[abstract](#)

Alfonso Avila Robinson, Nazrul Islam and Shintaro Sengoku

14:05 **What's behind the curtain? – Dissecting the dynamics of evolution of emerging stem cell-based therapies**
[abstract](#)

Ricardo Barros Sampaio, Bruna de Paula Fonseca E Fonseca, Bethania de Araujo Almeida and

14:25 Erika Aragão
Applying Network Analysis Method to Aid Public Policy on Health: A Case Study in Brazil
[abstract](#)

Jose M. Vicente-Gomila, Anna Palli, Begoña De La Calle, Miguel Angel Artacho and Sara

14:45 Jimenez
Discovering competitive strategies, accelerated with TechMining
[abstract](#)

15:25-16:25 Session 4A: TECHMINING CLUSTERING METHODS

15:25 Patricia Helmich, Rainer Frietsch and Peter Neuhäusler
From patents to technologies – A new level of analysis? [abstract](#) [presentation](#)

Jorge Mario Carrasco Ortiz, Jenny Marcela Sanchez Torres and Fabio Augusto Gonzalez Osorio

15:45 **A very-short-text clustering method based on distributed representation to identifying research capabilities of a Higher Education Institution**
[abstract](#) | [presentation](#)

Jianhua Liu, Alan Porter, Zhixiong Zhang, Hongmei Guo, Li Qian and Hongbo Shi

16:05 **Comparison of different “window-size” key phrase co-occurrence for knowledge representation**
[abstract](#)

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