The 12ᵗʰ Annual Global TechMining Conference

Looking to the Future: Text-Analytics for Evidence-Based Foresight

3-4 November 2022

VIRTUAL EVENT

Abstract Submissions Due
July 15, 2022

The VP Institute, together with the Oswaldo Cruz Foundation (Fiocruz) the Federal Institute of Education, Science and Technology of Rio de Janeiro (IFRJ), and the Fluminense Federal Institute of Education, Science and Technology (IFF) is pleased to announce that the **12ᵗʰ Global TechMining Conference (GTM)** will take place **November 3ʳᵈ – 4ᵗʰ**, 2022, "online."

Tech mining is text-oriented analytics that aims to generate practical intelligence from Science, Technology & Innovation (ST&I) information resources – i.e., "Big Data" in various forms. It uses bibliometric and text-mining software (e.g., Derwent Data Analyzer (DDA), VantagePoint) and many other analytical & visualization **tools**.

Tech mining supports **decision making** in ST&I policy & management – e.g., competitive technical intelligence, R&D management, and research evaluation. Expanding and novel data bring both opportunities and challenges. Researchers, analysts, and decision makers need to track ST&I dynamics together with rapidly evolving economic & societal factors, validating the necessity of **evidence-based foresight**.

GTM2022 seeks to bring together ST&I analysts, software specialists, researchers, and managers to advance and adopt text-data-driven solutions as we "***look to the future***".

We are excited to engage the opportunities a virtual conference platform offers for greater participation diversity and equity! With recordings of livestream video, pre-recorded video, Q&A and discussion boards, etc. accessible beyond the 2-day agenda, we envision an exceptionally thoughtful exchange of knowledge.

Conference topics include and, as we dynamically assemble this third online GTM, will expand upon:

- ➢ ***Data: Maximizing the potential of traditional and novel data*** - *e.g.*:
    - ST&I + Other data sources (e.g. web scraping, social media, full-text information)
    - Data refining (e.g. enhancing accuracy, disambiguation, natural language processing)
    - Combining data sources (e.g. data mashup analyses, comparison of results from different data sources)
- ➢ ***Methods: Advancing and integrating methods*** - *e.g.*:
    - Artificial intelligence and machine learning for tech mining
    - Informetrics (e.g. bibliometrics, scientometrics); novel indicators and visualization
    - Predictive analytics and foresight
    - Generativity and modularity of tech mining solutions
- ➢ ***Applications: Innovative analyses translating to useful intelligence*** - *e.g.*:

- Analyzing technology dynamics (emergence, maturity, speciation, combination with others) Assessing convergence at the level of science, technology, market or industry
- Analyzing and monitoring interdisciplinary research endeavors
- Revealing the impact of tech mining in management practice and decision-making

The conference program committee invites abstract submissions for the following formats:

1. **Oral Presentation.** Oral presentations (up to 20 minutes) addressing well-advanced research. Oral presentations will be scheduled as livestream video or pre-recorded video and will include moderated Q&A.
2. **Power Talk.** A power talk consists of an abbreviated oral presentation (5 to 8 minutes). A power talk consists of an abbreviated oral presentation (5 to 8 minutes). The intent is to showcase work (can be "in process") in which an early career researcher has led the research, and/or played a significant role in the research. Power Talks will be scheduled as pre-recorded video with a Q&A board.
3. **Novel Online Session** – If so inclined, we invite your suggestions on alternative modes of sharing tech mining knowledge outside of standard oral presentations. For example:
   a. Case Study based Panel Presentation (see Launching a Benchmark: Text-Analytics for Evidence-Based Foresight)
   b. Topical Roundtable

Abstract format guidelines can be found at http://www.gtmconference.org/submissions/.

The working language of the conference is English.

Milestone Schedule

Oral Presentation Submission Deadline – July 15
Author Notifications – September 9
Final Extended Abstracts Due – October 14