

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 (15 minutes + questions) addressing well-advanced research. Oral presentations will be scheduled as livestream video and will include moderated Q&A.
2. **Power Talk.** A power talk consists of an abbreviated oral presentation (5 minutes, 4 PowerPoint slides). The intent is to showcase work in which an early career researcher has led the research, and/or played a significant role in the research. The objective is to deliver a lively, concise description of your research and its impacts. Power Talks will be scheduled as pre-recorded video with Q&A board. Power Talk presenters are invited to post a Poster as well.
3. **Power Talk (Portuguese).** This year, conference program chairs are hosting a special science initiative offering *students* the option to submit a power talk (see description above) in Portuguese.
4. **Novel online presentation.** We invite your suggestions on alternative modes of sharing tech mining knowledge. For example, see [Launching a Benchmark for Text-Mining and Evidence-Based Foresight](#)

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