The 11ᵗʰ Annual Global TechMining Conference

Mining Science & Technology Information Resources in a Digital Environment

November 17-19, 2021

VIRTUAL EVENT

Abstract Submissions Due
July 31, 2021

The VP Institute, together with the Institute of Project Management and Innovation (IPMI) at the University of Bremen and the Chair for Technology, Innovation Management and Entrepreneurship at the University of Bonn, is pleased to announce that the **11th Global TechMining Conference (GTM)** will take place November 17ᵗʰ – 19ᵗʰ, 2021, "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.

GTM2021 seeks to bring together ST&I analysts, software specialists, researchers, and managers to advance text-data-driven solutions.

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 3-day agenda, we envision an exceptionally thoughtful exchange of knowledge.

Conference topics include and, as we dynamically assemble this second 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 organizing committee invites abstract submissions for:

1) Panel sessions – present multiple perspectives on an issue facing the field of tech mining. An overall abstract should describe the general session topic and how two, three, or four presenters will offer coordinated oral presentations. Panel sessions will be scheduled as livestream video and will include moderated Q&A.

2) Oral presentations – address well-advanced research (up to 20 minutes). Oral presentations will be scheduled as livestream video or pre-recorded video and will include moderated Q&A.

3) Power talks – deliver a concise description of your research in-process and its impacts (up to 10 minutes). Provide an extended abstract (up to 500 words). Power Talks will be scheduled as pre-recorded video with Q&A board.

4) Novel online presentations – we invite your suggestions on alternative modes of sharing tech mining knowledge.

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

In addition, each session "webpage" will allow for posting of complementary presentation media including presentation slides, presentation extended abstract, related author papers, presentation poster, etc.

The working language of the conference is English. Submissions for Panels and Oral presentations are due by **JULY 31, 2021**, through the submission link at www.gtmconference.org.