The 10th Annual Global TechMining Conference

Mining Science & Technology Information Resources in Tumultuous Times

November 11-13, 2020
VIRTUAL EVENT

Abstract Submissions Due
August 31, 2020

The VP Institute, together with the Beijing Institute of Technology, is pleased to announce that the **10th Global TechMining Conference (GTM)** will take place November 11th – 13th, 2020, "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, research evaluation, and coping with the COVID-19 pandemic. 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.

 GTM2020 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 first online GTM, will expand upon:

- ➢ *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)
- ➢ *Advancing and integrating methods – e.g.*:
  - Sharper topic/entity extraction with tools such as word embedding & clustering.
  - Topic evolutionary path identification and science mapping
  - Informetrics (e.g. bibliometrics, scientometrics); scientific visualization
  - Predictive analytics; forecasting emerging technologies
- ➢ *Innovative analyses translating to useful intelligence – e.g.*:
  - Text mining in practice (e.g. bioinformatics, precision medicine)
  - Competitive Technical Intelligence (CTI)
  - Digest and synthesis of R&D re: COVID-19 pandemic

The conference organizing committee invites 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). Provide an extended abstract (up to 500 words). 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.

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.

Papers must be original and not published elsewhere. The working language of the conference is English. Submissions for Panels and Oral presentations are due by **AUGUST 31, 2020**, through the submission link at //www.gtmconference.org. The deadline for Power Talk abstract submissions is **SEPTEMBER 15, 2020.** Presenters must have access to the technology necessary to present virtually. A complete description of technology requirements can be found on the conference website HERE.

All accepted submissions scheduled for presentation will be invited to submit full papers for consideration in a *Scientometrics* special issue dedicated to the conference theme.