Call for Papers
Special Issue*: "***TechMining at digital crossroads – advances in technological foundations and application in key areas of interest***"**

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Background of the Special Issue
Tech Mining, a special form of "Big Data" analytics, aims to generate practical intelligence using text-mining and other analytical & visualization applications for analyses of Science, Technology & Innovation (ST&I) information resources. Intellectual Property (IP) information (i.e. scientific literature, patents, trademarks or design filing data) is one of the many important sources of ST&I information in Tech Mining methods and applications.

The objective of this special issue is to demonstrate advancements in IP information analytics in terms of methodologies as well as applications in multiple science, technology and business development fields. The seed of this IP information analytics discussion is slated to occur at the 11th Global TechMining Conference in 17 – 19 November 2021.

Example areas of IP information focus on two major areas with respective sub-topics:

Advances in technological foundations of tech mining:
- Technological convergence-divergence activity
- Pairing with non-IP information sources
- Weighting IP SAO (subject-action-object) structures for better accuracy
- Advances of use of AI technologies in tech mining

Use and application areas for tech mining
- Effectively measuring knowledge flows
- Transformation of (digital) IP management practices due to tech mining
- Analysis of changes in or of new subject matter over time protected by IP – e.g., for technologies such as AI technologies, 3D printing,
- Forecasting technology development cycles, such as in key enabling technologies (KETs)
- Use of tech-mining to support mission-driven research and innovation

We welcome additional submissions to this special issue besides presentations at the Global TechMining Conference.

Important Dates
31 November 2021: WPI site opens for submissions
12 February 2022: WPI site closes for submissions
February 2022 through June 2022: Expedited review and revision process
October 2022: Final manuscripts due (including revisions in response to any second reviews)
Spring 2023: Target publication

Review progress and submission
All submissions will go through the journal's standard peer-review process. For guidelines to prepare your manuscript and for manuscript submission, please visit
https://www.elsevier.com/journals/world-patent-information/0172-2190/guide-for-authors. When

submitting your manuscript, please choose "**SI: TechMining at digital crossroads**" to ensure that your submission will be considered for this special issue instead of being handled as a regular paper.