

First International Conference on Science & Technology Metrics
Bangkok, Thailand
December 02-04, 2019
(stm@socio.org.uk)

Building metrics is the key to science and technology measurement and translating the measures to work better. Metric is not confined to draw numbers and analyze. Selecting a metric depends on synthesizing multiple directions and evidence-based data. Producing benchmarks and standards in science and technology evaluation and implementing them with real data, mark the full-fledged system. Quite recently, we are witnessing the emergence of new metrics-based models aiming to reflect science and technology growth.

The proposed Science and Technology Metrics (STMet 2019) conference is concerned with how the use of many metrics may involve the assessment of different aspects of science and technology which are best expressed using different approaches. Besides the standard conference track and the Doctoral Symposium, the STMetrics will host a number of workshops and tutorials related to the theme of the conference. The purpose of the workshops is to provide participants with a friendly, interactive atmosphere for presenting novel ideas and discussing their application of metrics in Science and Technology System. The goal of the tutorials is to enable the participants to familiarise themselves with theoretical as well as practical aspects and application of metrics.

The proposed conference consists of invited talks, presentations, tutorials, workshops and discussions. The STMet has tracks on specialized topics. The STMet address the below themes, not limited.

Citation-based metrics

Ranking Systems

Ranking of Journals, Institutions and Countries

Discipline and Domain Analysis

Economic factors

Databases and datasets for evaluation

Evaluation Tools and Indicators

Web-based metrics

Visibility and impact

Internationalization

Text-based Metrics

Innovation indicators

Wearable Devices

Open data

Scientific Collaboration and cooperation analysis

National Evaluation Systems

Open access and open publishing

New indices for evaluation
Altmetrics
Web-based metrics
Data Science and Digital Repositories
Scientific Visualization
e-Science in the Cloud
Scientific Journalism
Scientific Publications

Track 1: Open Science

Science relies on the sharing of ideas, research results, data and methods. Quiet often many scientific discoveries and innovations fail to reach the society because of the closed scientific publications. If Science is built based on existing knowledge it needs to reach every one and hence Open Science leads the knowledge transaction. This track addresses the challenges and issues and pave the way to develop and nurture open science.

Track 2: Peer Review

Peer review is the process by which experts critically examine the research contributions using standard metrics. Peer review helps maintain and enhance quality both directly by detecting weaknesses and errors in specific works. These reviews enable to decide publication, research grants, employment, promotion, and tenure. Peer review promotes accountability and improves quality of work.

Track 3: Content and Text mining based metrics

This track enable to present works that use numeric indices to process unstructured (textual) information, and to build various data mining (statistical and machine learning) algorithms. Information can be extracted to derive summaries for the words contained in the documents or to compute summaries for the documents based on the words contained in them. One can analyze words, clusters of words used in documents, and we could analyze documents and determine similarities between them or how they are related to other variables. The studies of text mining will “turn text into numbers” (meaningful indices), which can then be incorporated in other analyses.

All submitted papers will be reviewed by a double-blind (at least three reviewers), and participative peer review. The review process will enable the selection process of those that will be accepted for their presentation at the international conference. Authors of accepted papers who registered in the conference can have access to the evaluations and possible feedback provided by the reviewers who recommended the acceptance of their papers, so they can accordingly improve the final version of their papers.

Mentoring support is available to young researchers and authors of developing countries.

The post-conference modified versions of the papers will be published in the following journals.

1. Journal of Digital Information Management
2. International Journal of Computational Linguistics Research

Important Dates

Full Paper Submission	September 15, 2019
Notification of Acceptance/Rejection	October 15, 2019
Registration Due	November 20, 2019
Camera Ready Due	November 20, 2019
Workshops/Tutorials/Demos	December 03, 2019
Main conference	December 02-04, 2019

Contact: stm@socio.org.uk