

5th Global TechMining Conference Pre-event Training Workshops

www.gtmconference.org

TechMining with VantagePoint

Tuesday, September 15 2015

The Global Learning Center
Georgia Institute of Technology
Atlanta, GA USA

MORNING SESSIONS: 9:00 – 12:30

Research Profiling with VantagePoint Text-Mining Software: Answering the Who? What? Where? When? of a Research Area Landscape

This half-day workshop will take participants through the steps necessary to generate a useful basic research profile using VantagePoint text-mining software. We will cover:

- Searching on a science or technology topic of interest in a major database
- Importing data into VantagePoint
- Data cleaning and consolidation, and
- Basic analyses and visualizations.

We invite you to bring your laptop (or use our computers) to perform these steps. Case data will be provided for hands-on experience.

You will learn how to generate an R&D landscape based on a set of research publication abstract records on a target science or technology topic.

TechMining for FIP 2.0

This half-day workshop presents the **Forecasting Innovation Pathways (FIP)** process—a 10-step framework to identify promising commercialization routes for New & Emerging Science & Technologies (“NESTs”). As NESTs tend to be less predictable than incremental technology developments, FIP combines Tech Mining and Multi-path mapping to provide usable intelligence for navigating their discontinuous development.

We focus on FIP enhancements inspired by—and addressing as our working case example—**“big data analytics.”** FIP 2.0 shares current research on improving 5 elements of the FIP process:

- Expanding the data resources used
- Modeling the innovation system more richly
- Depicting >3 innovation pathway options
- Screening those innovation pathways for impact likelihood & magnitude, then conducting Technology Assessment
- Performing options assessment drawing upon crowd-sourcing type means

12:30 - 1:30 PM Lunch Break (hot buffet lunch included)

AFTERNOON SESSION: 1:30 – 5:00

Advanced Applications of Text Mining with VantagePoint

This half-day workshop will present three advanced text-mining applications for Research Assessment and/or Technology and Innovation Management. We will use VantagePoint and companion software to work an empirical case study to learn by doing:

- Social Network Analyses (SNA) and co-occurrence mapping
- Patent Analytics and patent overlay mapping
- Technical Emergence

Registration link available at <http://www.gtmconference.org/pages/registration.html>

Session instructors include, among others:

Alan L. Porter - Director, Program in Science, Technology, and Innovation Policy, Georgia Tech

Luciano Kay – Center for Nanotechnology in Society at University of California Santa Barbara (CNS-UCSB)

Stephen Carley – Enterprise Innovation Institute at Georgia Tech

Webb Myers – Search Technology

Training Workshop Fees

US\$110 one session (lunch included)

US\$175 two sessions-morning plus afternoon (lunch included)