

Leveraging Taxonomies and Dynamic Classification to Enhance Information Find and Discovery Processes

Real-time searching through terabytes of data is now possible with today's powerful search technology. But is it efficient? Can individuals use the terminology, categories and classifications that they are most familiar with to sift through this data? How can one be certain that a search is comprehensive and that something hasn't been overlooked because of a mis-type or incorrect citation? New search technologies leveraging taxonomies based on specific vocabularies used in a particular program, division, command and/or enterprise level and an innovative new feature called dynamic classification, address both issues.

Dynamic classification effectively shortcuts the journey between the search query and results, enabling the searcher to move freely through categories, blending, mixing and matching data in real-time and onscreen as their intuition leads them. This presentation defines and describes this new approach to search recently developed and made available within NMCI , using real-life practical examples from different companies and government agencies. The presentation will also show how Navy and Marine personnel can begin incorporating this technology to empower users with more efficient, satisfying and specific results-producing search capability within NMCI.

Speaker Bio:

Dr. Claude Vogel, CTO of Convera Corporation, is a foremost authority on the cultural and cognitive patterns of social organizations. Dr. Vogel engages in ongoing research and has published more than 70 pieces, including nine books on the subjects of software engineering, cognitive design, social organizations, and semiotics. He is a Professor and the Director of the Computational Semiotics Laboratory at the University Leonard de Vinci in Paris and is an Associate Professor of Computational Semiotics at the University of Montreal. Dr. Vogel's scientific affiliations include the Ethnolinguistics Team of the National Foundation for Scientific Research, Cultural Anthropology Team of the National Foundation for Scientific Research, and Knowledge Representation and Processing Laboratory of the National Foundation for Scientific Research.

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