

# Advances in Information Communication and Knowledge Management Support Systems for R&D

InterActive Workshop, October 15-16, 2007  
Bryn Mawr College, Philadelphia, PA, USA

**Join peers and industry experts  
to discuss latest experiences  
and developments in...**

- ▶ **ICT, ELN, LIMS, eR&D, KM Tools**
- ▶ **Collaboration Support for R&D**
- ▶ **Emerging Technologies**
- ▶ **Web 2, Wikis, Blogs, Social SW**
- ▶ **Semantic Web, Agents, Search**



**...and leave with a better  
understanding of how to approach...**

- ▶ **Vision & Strategy to Product Realities**
- ▶ **Existing Management & User Experiences & Requirements**
- ▶ **The Scientist's Desktop & Services**
- ▶ **Knowledge Networks & Communities**
- ▶ **Next Generation KM Systems**
- ▶ **Opportunities for Collaboration**

**...using a Knowledge Cafe format  
designed to maximize discussions...**

- ▶ **Short presentations followed by facilitated group-based peer-to-peer Knowledge Cafe Discussions**
- ▶ **Wiki-support for materials and discussions before, during & after the workshop**
- ▶ **Networking Reception, Knowledge Dinner, Poster Session events in the evening**
- ▶ **Join an Ongoing Practice Group engaging in knowledge exchange, collaboration, and opportunity development**

**Opening Seminar on Collaborative eR&D - Vision and Strategy to Product Realities  
Richard Lysakowski (CENSA)**

When and where to apply ELNs? What are high quality practices for preparing for them?

How can we reliably achieve the key gains using ELNs in CeR&D strategies and systems?

Integration technologies on the forefront – drawing on lessons from different disciplines

New technologies are great, but will new products ever really be "complete"? Can we speed up product maturity?

What technologies & products are required, are available now, and how to best use them?

Good, workable systems strategies given current organizational constraints and realities.

Integration of ELNs and LIMS with open source wikis, blogs, portals, social networking, ontologies, and other technologies to enable knowledge worker teams

**Knowledge Café: Discussion of existing Management and User Experiences and Requirements for ICT and KM in R&D support**

What are the requirements & practical aspects of deploying current software products and systems to achieve improved performance in R&D activities? What are the requirements for enterprise wide support systems? For multi-disciplinary science? For virtual research organizations and collaborations?

**Table Topics:** Core Functions for ICT systems, Project Strategies, Engineering Practices, Knowledge Management, Multidisciplinary Science Requirements, ELN/LIMS Integration, Enterprise-wide Support Systems, Documentation of Computational Experiments and Designs

**Envisioning a Multi-Scale 'Scientist's Desktop' with Unified Information Services, Management and Collaboration, led by Jeff Spitzner (Rescentris)**

- ▶ The Scientist's Desktop – a user interface for creation and access to enterprise R&D resources and processes, with personalized views, dashboards, and tools
- ▶ Scientific document/data management, storage, analysis, annotation, reporting, and reuse
- ▶ Project management, tracking, visibility, real-time communications, decision-making
- ▶ Scales of work organization – personal, team, organizations, collaborations, communities

The **Knowledge Café** will discuss the requirements and opportunities for the creation of unified information services and high performance research knowledge networks.

**Table Topics:** Project Management, Quality Management, Collaboration, Product and Service Lifecycle Management, the Scientist's Desktop, Integrated Services

**Semantic Knowledge Infrastructures and Services for R&D led by Gladys Range (GVR Systems Automation)**

The Semantic Web has had much hype, with the real maturity of practical, useful applications for R&D support falling far behind and moving very slowly. The Semantic Web is moving down the "peak of hype", through the "trough of disillusionment", and perhaps onto the slope of enlightenment soon.

In this **Knowledge Café** we will discuss the reality of Semantic Web tool developments and deployments that are of near-term relevance to R&D support.

**Table Topics:** Ontologies, Intelligent Agents, Semantic Search, Semantic Desktop, Semantic Web Languages, Semantic Web Tools, Data Architectures, Evangelists Table, Critics and Cynics Table

**Networking Reception and Knowledge Dinner, Alumni House**

Join us this evening for a relaxing drink in the pleasant surroundings of the Alumni House, followed by a Knowledge Dinner, where good food combines with stimulating topics for excellent conversations!



**Emerging Technologies Showcase – Presentations & Roundtable on the Capabilities of New Innovative Technologies for Advanced KM in R&D systems**

The ABCD ELN: Towards a Fully Integrated Discovery Enterprise  
Dimitris K. Agrafiotis, VP Informatics, Johnson & Johnson PRD

Semantic-based Frameworks for Enterprise Content Management  
Frank Guerino, CEO, TraverseIT

Building Knowledge Infrastructure:  
A Bottom-Up Wiki in a Large Company  
Carl Elkin, Principal Scientist, Schering-Plough

Enterprise Knowledge Portals and Application Integration to Support Collaboration  
Marisol Wesson, CEO, TMS

Peer-to-Peer Knowledge Sharing – Implications for Enterprise Knowledge Management  
David Gilmour, CEO, Tacit

Training Simulations and Metrics in Second Life  
Alex Heiphetz, CEO, Delta L Training

**Knowledge Café: Discussion of Requirements for Advanced KM in R&D**

This **Knowledge Café** will discuss and document requirements for Advanced KM in R&D solutions including current unmet requirements that could be met by the development and integration of new and emerging technologies.

In addition to consideration of information requirements, we will include knowledge management concepts having potential positive impact on organizational culture, innovation success, transparency, leadership, trust, change management, collaboration, partnerships and alliances, product life cycle management, customer communities, and virtual organization and network services.

**Innovation Cafés**

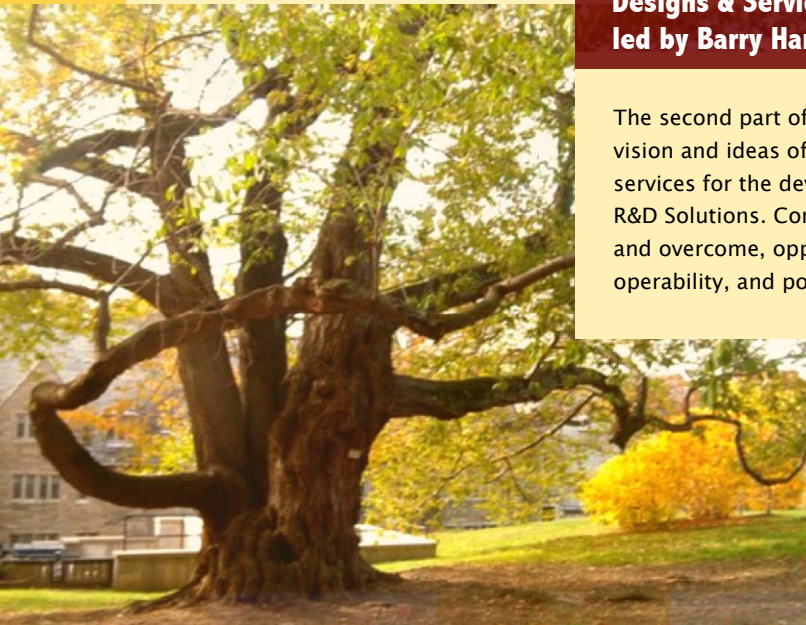
**Vision and Ideas for Next-Generation Advanced KM in R&D Solutions led by Barry Hardy (Douglas Connect)**

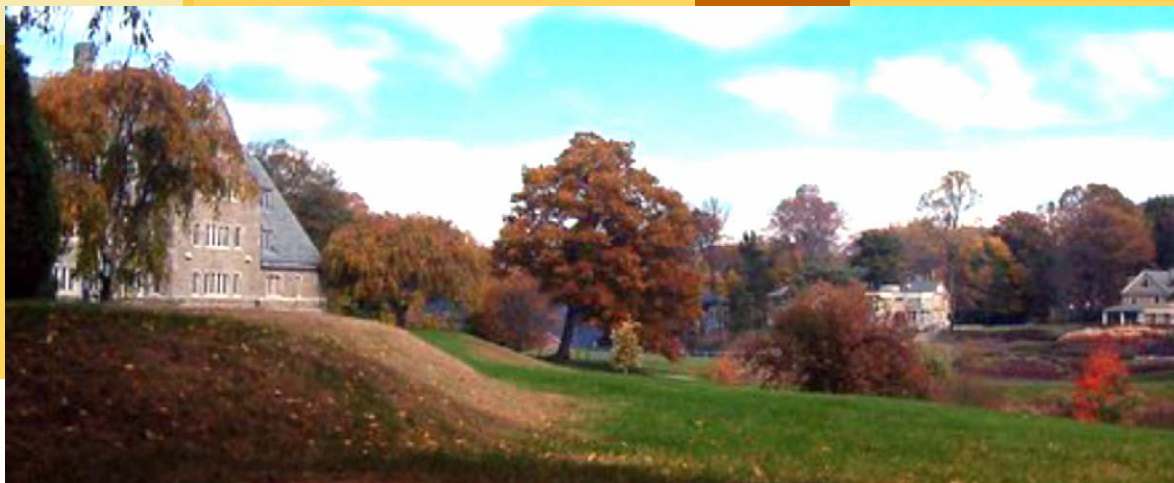
- ▶ Share vision and ideas for the development of Next-Generation Solutions
- ▶ Discuss challenges where collaboration could support integration and alignment of R&D programs, practices and resources
- ▶ Use Innovation Cafe format of Victor Newman to define a scenario in which optimum confidence in R&D productivity and a support system has been reached
- ▶ Create a shared vision on achieving a system development, and prioritize steps that could aid the acceleration of reaching such a goal
- ▶ Create roadmap for cooperation between users, developers, research programs and initiatives that could accelerate the contribution of ICT and KM methods to the enhanced confidence and productivity of R&D support systems

**Designs & Services for Next-Generation Advanced KM in R&D Solutions led by Barry Hardy (Douglas Connect)**

The second part of the Innovation Cafe Session will discuss implementation of the vision and ideas of the group in the design of next generation architectures and services for the development and deployment of Next-Generation Advanced KM in R&D Solutions. Consideration will be given to barriers and challenges to be faced and overcome, opportunities for collaboration on research, standards and interoperability, and potential opportunities to be pursued for R&D projects.

Don't miss this evening's  
Poster Session with  
drinks & buffet dinner





Douglas Connect's Knowledge Cafe  
on Knowledge and Leadership,  
Basel, Switzerland, April 2007

## Register now for Douglas Connect's Workshop on Advances in Information, Communications and Knowledge Management Support Systems for R&D

### 5 ways to register...

- ✓ Online at [innovationwell.net](http://innovationwell.net)  
(Ticket Office is only visible after login)
- ✓ Email [innovationwell at douglasconnect.com](mailto:innovationwell@douglasconnect.com)
- ✓ Phone Nicki Douglas on +41 61 851 04 61
- ✓ Fax +44 870 112 38 44 (eFax)
- ✓ Post Douglas Connect, Baermeggenweg 14  
4314 Zeiningen, Switzerland

- Please register me for Douglas Connect Workshop  
at Bryn Mawr College, PA, 15-16 October 2007 at  
the registration fee of \$1000

All registration payments must be received in advance  
of the Workshop.

Payments can be made by bank transfer, cheque or  
credit card: Amex, MasterCard, Visa

Name

Company/institute

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Country

Signed

Date