



February 2019

New CIB Commission Roadmap (3rd revision) W117 – Performance Measurement in Construction



Creating Information Workers

Introduction

Commissioned in 2009, W117 has been one of the most active and productive working commissions over the past ten years. This is the third major revision to the W117 roadmap and is the most significant. The CIB education and research community has struggled with developing sustainable research that maximizes impact on the industry. W117 is celebrating its 10th anniversary, and this year seems to bring the most radical changes.

W117 just held the most successful working commission meeting in Arizona, United States with 80 attendees. It rolled out the latest W117 roadmap, and showed the extensive research in the U.S., Netherlands and Saudi Arabia.

Research Agenda

The objective of W117 is to increase the use of performance information in the delivery of services by stakeholders (project, facility, and construction

managers). In today's industry environment of automation, information systems and exponential change, W117 has identified the Information Worker (IW) who utilizes a language of metrics, as the key advancement. An effective and efficient use of information is when information minimizes all stakeholders' thinking and decision making.

W117 has put in motion the following changes to transform the professional into an information worker:

1. Change in W117 organization structure. Utilize Arizona State University (ASU) for the controlling of the intellectual property (IP) through licensing.
2. Change the financing of W117 website and W117 journal operations from ASU to private enterprise that leads W117 as a business. The business approach ensures sustainability, innovation and industry impact.
3. Identify the major W117 emphasis as the Information Worker (IW) and the Language of Metrics. Both concepts are results of the Best Value Approach (BVA) and Information



Measurement Theory (IMT); both are W117 research concepts for the last 26 years. Over the past ten years, BVA research has had major impact on the supply chain. In the next ten years the IW will affect facility management, project management, risk management as the industry environment moves into automation, robotics and information systems. W117 will continue to research all other performance information technology issues.

4. W117 has formed an international board of industry stakeholders who are implementing, testing and documenting the information worker (IW) concept in their organizations.
5. Changing the W117 research model to focus more on testing, evaluating and hypothesis modification rather than literature search and hypothesis testing. The new model will bring faster results and have more impact on the industry.
6. Run IW research tests in major client and contractor organizations. Run tests in classification/prequalification, procurement and contractor risk management applications. Partner with different industry partners with immediate feedback to the rest of W117 to increase the rate of change of the entire industry.
7. Partner with the Project Management Program at Lille, France and their dBA program (degree of Business Administration) to change the project management model from one of management, direction and control (MDC) in a bureaucratic environment, to one of the identification and utilization of expertise in a transparent environment.
8. W117 will also be testing the IW concept on the future managers of tomorrow (currently high school students). The hypothesis is that the IW approach applied to education will slash the amount of data required by students to understand complex issues and result in the rapid understanding of reality (by using information).

W117 encourages young researchers to innovate and look "outside the box". W117 is encouraging all young academic researchers to be exposed to the Information Worker approach. The CIB is the most innovative and powerful organization among all the research organizations for visionaries and change agents. It allows the freedom necessary for innovative and disruptive changes in the industry to occur.

As the co-coordinator of the W117 workplan, CIB coordinator of the year in 2017, and 26 years of activity in the CIB, I strongly encourage all young researchers to attend the 2019 CIB World Conference.

-Dr. Dean

Contact

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Availability

The W117 Journal and Roadmap is electronically available for free [here](#).

The publication is also available for free via the ICONDA@CIBlibrary [here](#).

All work by W117 editor and members is also shared for free via [ResearchGate.net](#).

More information: JournalW117@gmail.com
www.CIBW117.org
www.pbsrq.com
www.KSM-Inc.com

You can find more information on the activities of the CIB Commission W117 [here](#).

Research Roadmaps

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