

Certificate Course Digitalization: Information & Knowledge Management

The primary objective of the certificate course is to provide a framework of interdisciplinary knowledge, methods and skills to support understanding of **Information & Knowledge Management** with a focus on semantic web and web 2.0-technologies as well as semantic web services.

Course Benefits & Take Away for Participants

The participants will

- get to know and apply methods and instruments in the area of *Information & Knowledge Management* and to demonstrate the capability to be innovative regarding the applied methods.
- learn the practical application of the use of semantic web-based systems.
be capable of choosing and correctly applying the appropriate methods for the arising problems as part of the daily tasks
- be put in the position to find and represent arguments for problem solving.



Overview Course Agenda

	Day 1	Day 2	Day 3
8 am - 1 pm	Lecture	Lecture	Lecture
	Lunch Break		
2 - 5:30 pm	Lecture	Excursion	Conclusion & Farewell (Exams optional)

Exemplary Schedule of a 3-day Certificate Course

Topics of this certificate course will be (for further information please look on the back):

- Technical advancements in Information & Knowledge Management
- Semantic web technologies and services
- Web 2.0-technologies

Agenda in Detail

Day 1:	Day 2	Day 3
<p>Topics:</p> <p>The Semantic Web Vision Structured Web Documents in XML</p> <p>Hands-on XML</p> <p>Describing Web Resources in RDF</p> <p>Hands-on RDF</p>	<p>Topics:</p> <p>Querying Linked Data Hands-on on SPARQL Publishing Linked Data Interacting with Linked Data</p> <p>Hands-on Interacting with Linked Data</p>	<p>Topics:</p> <p>Web Services and Web APIs</p> <p>Hands-on – Web Services & Web API Search</p> <p>Lightweight Semantics & Semantic Web Services I</p> <p>Hands-on – Annotating Web APIs</p> <p>Lightweight Semantics & Semantic Web Services II</p> <p>Advanced Service Topics</p>

Registration & Organizational Details

Duration	3 days
Price	2.495 € per participant
Group Size	max. 15 participants
Certificate	Certificate of the HECTOR School of Engineering & Management, Technology Business School of the Karlsruhe Institute of Technology (KIT)
Requirements	First University Degree (Bachelor or equivalent) A minimum of 5 years of professional experience in the specific field of the course is recommended The course can be held in German or in English – appropriate skills in the respective language are required. For international companies translators can be hired.
Registration	Register online via www.ectorschool.kit.edu/certificate_courses.php



For consultancy or company arrangements please contact:

Program Consultancy

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Course Instructor



Prof. Dr. York Sure-Vetter

Since 2015 Prof. Dr.-Ing. York Sure-Vetter is professor for Web Science at the Karlsruhe Institute of Technology (KIT) and Director of the Karlsruhe Service Research Institute (KSRI). Since 2016 he is also holding the position of the Director of the FZI Research Center for Information Technology.

At HECTOR School he combines scientific expertise with his experience from being President of GESIS – Leibniz-Institute of the Social Sciences, Senior Researcher at SAP AG, and guest professor at Stanford University, California, US.