EKNOW 2020, Valence, Spain, Special Track KMI 4.0

Chair: Dr Samia Aitouche

Co-chair: Dr Karima Aksa

EDITORIAL OF KMI 4.0

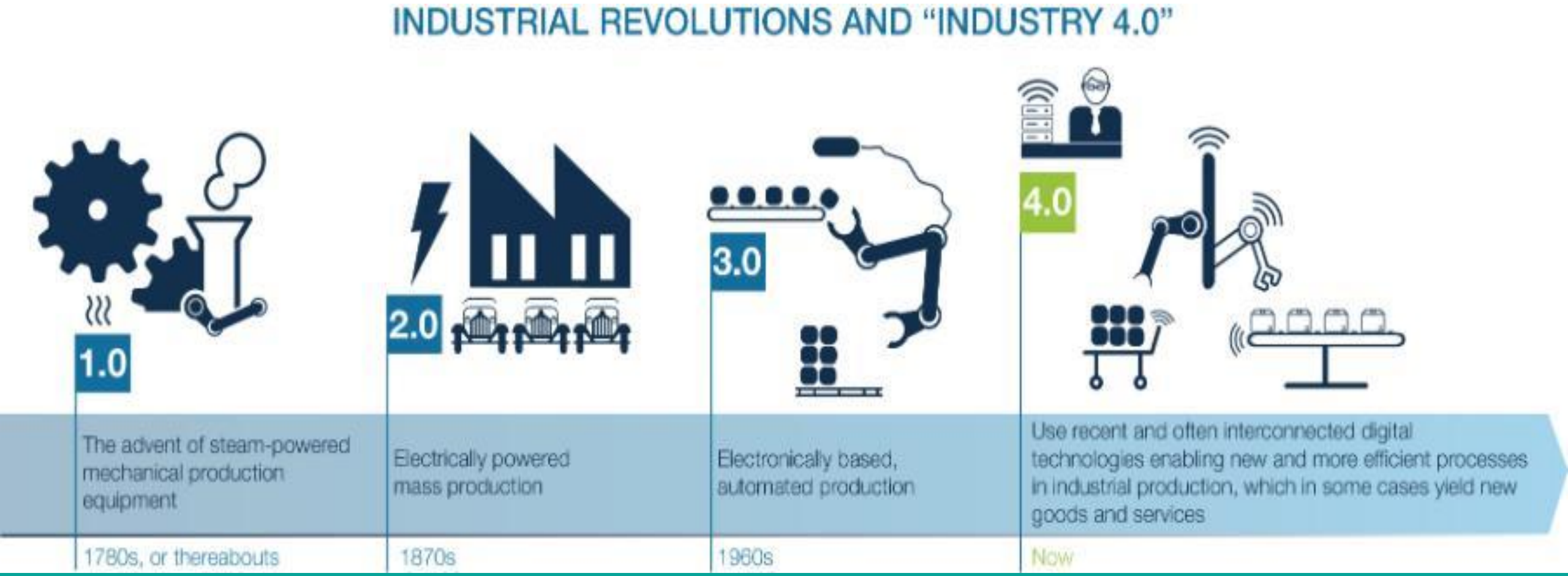
TOWARDS INDUSTRY 4.0 By KNOWLEDGE MANAGEMENT

INDUSTRY 4.

University Batna 2, Batna, Algeria

Industrial Engineering department

Introduction



The four industrial revolutions

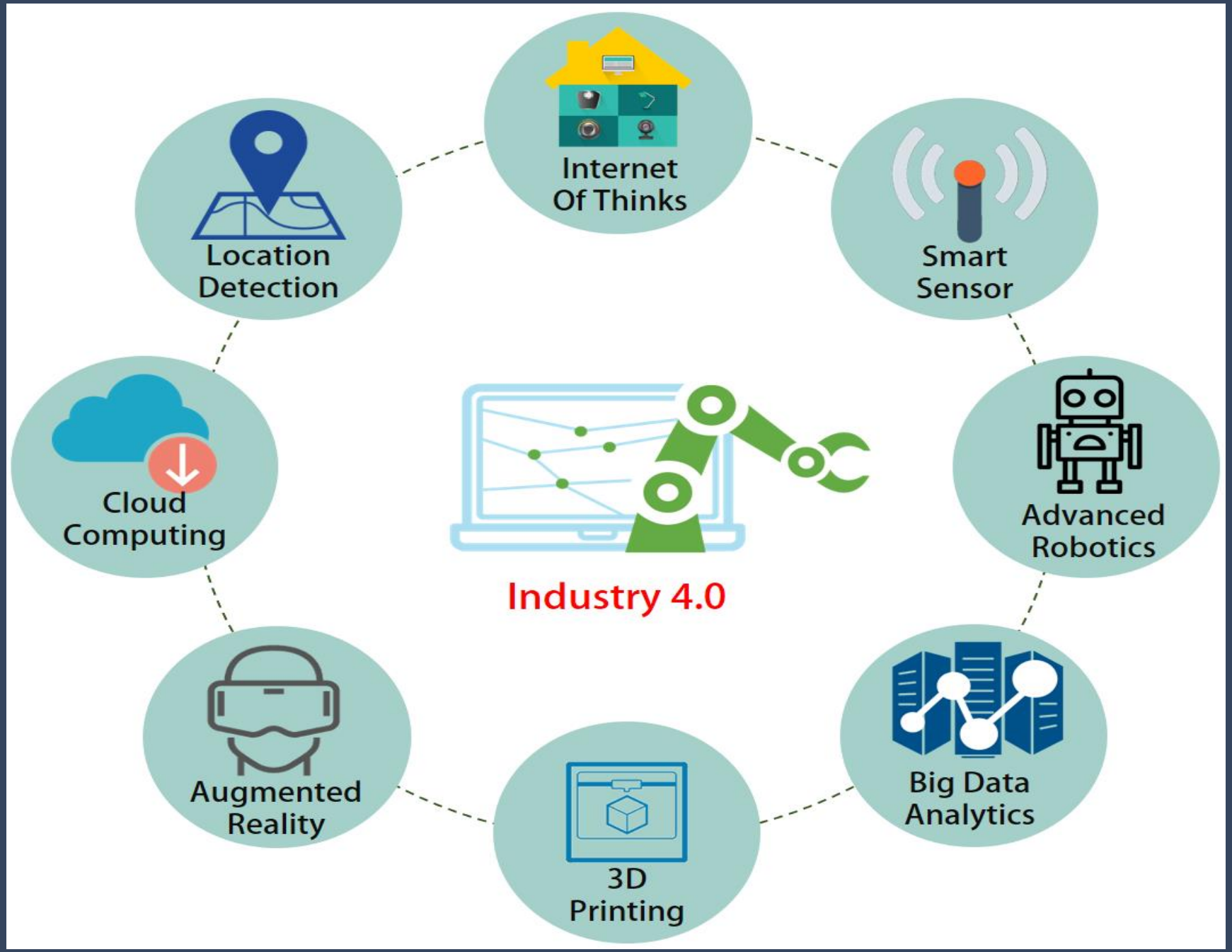
Definition of industry 4.0

The scientific term "Industry 4.0" was first introduced in Germany in 2011 at the Hanover fair.
Industry 4.0 includes business processes in industry that envision organizing global production networks based on new information and communication technologies and Internet technologies (Schwab 2017).

Purpose

Personalization of production by the possibility of consumer intervention during the production of the product this by maximum connectivity of objects (IIOT)

Industry 4.0 Technologies

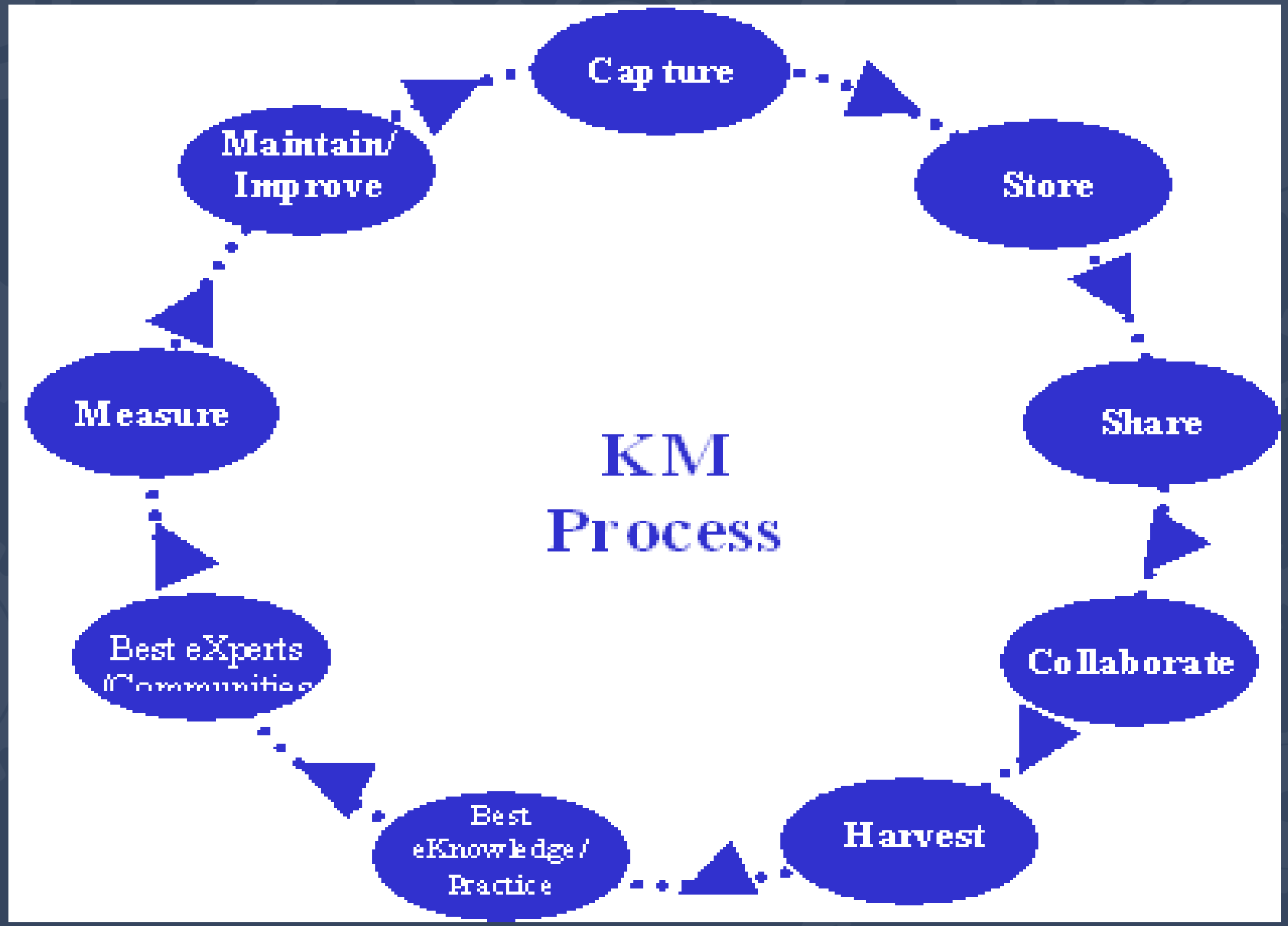


Knowledge management Definition

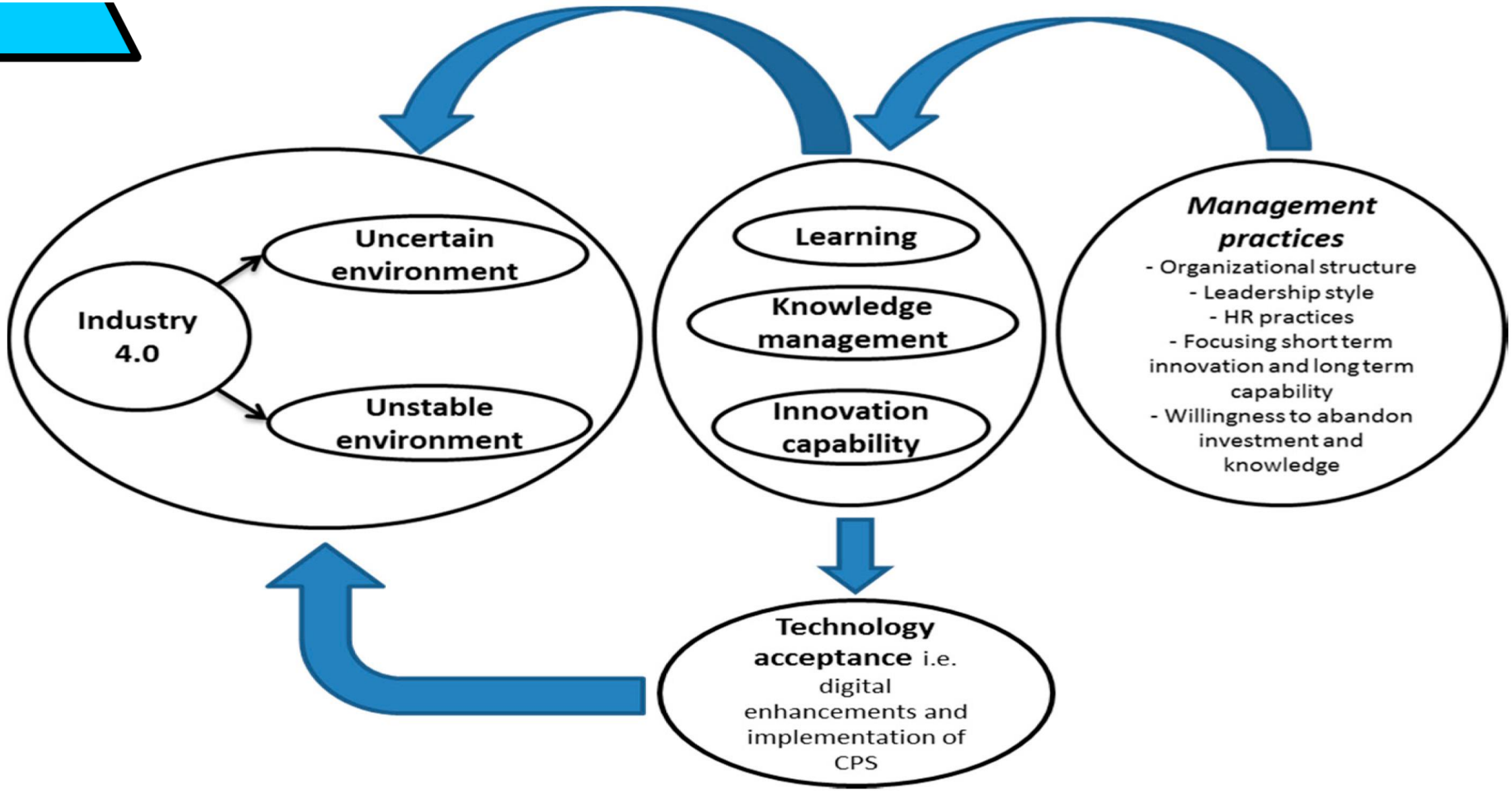
The capturing, organizing, and storing of knowledge and experiences of individual workers and groups within an organization and making this information available to others in the organization.

Knowledge management components

Knowledge management Process



Knowledge management vs industry 4.0



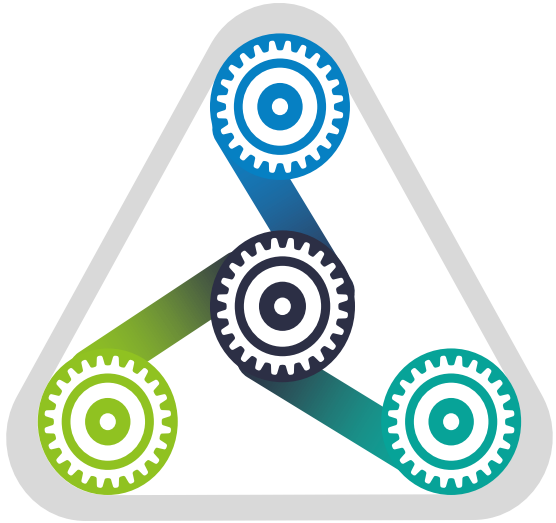
Four participants to KMI 4.0

Kerstin Felser and Martin Wynn

Digitalization" and IT backsourcing: towards a transformational model for the German automobile industry

Fadhila Djougganeet al,

Analysis of Human Skills in Industry 4.0



Sahraoui Khaoula

Application of Data mining in logostics in the Transition Era to Industry 4.0: Review

Samia Aitouche

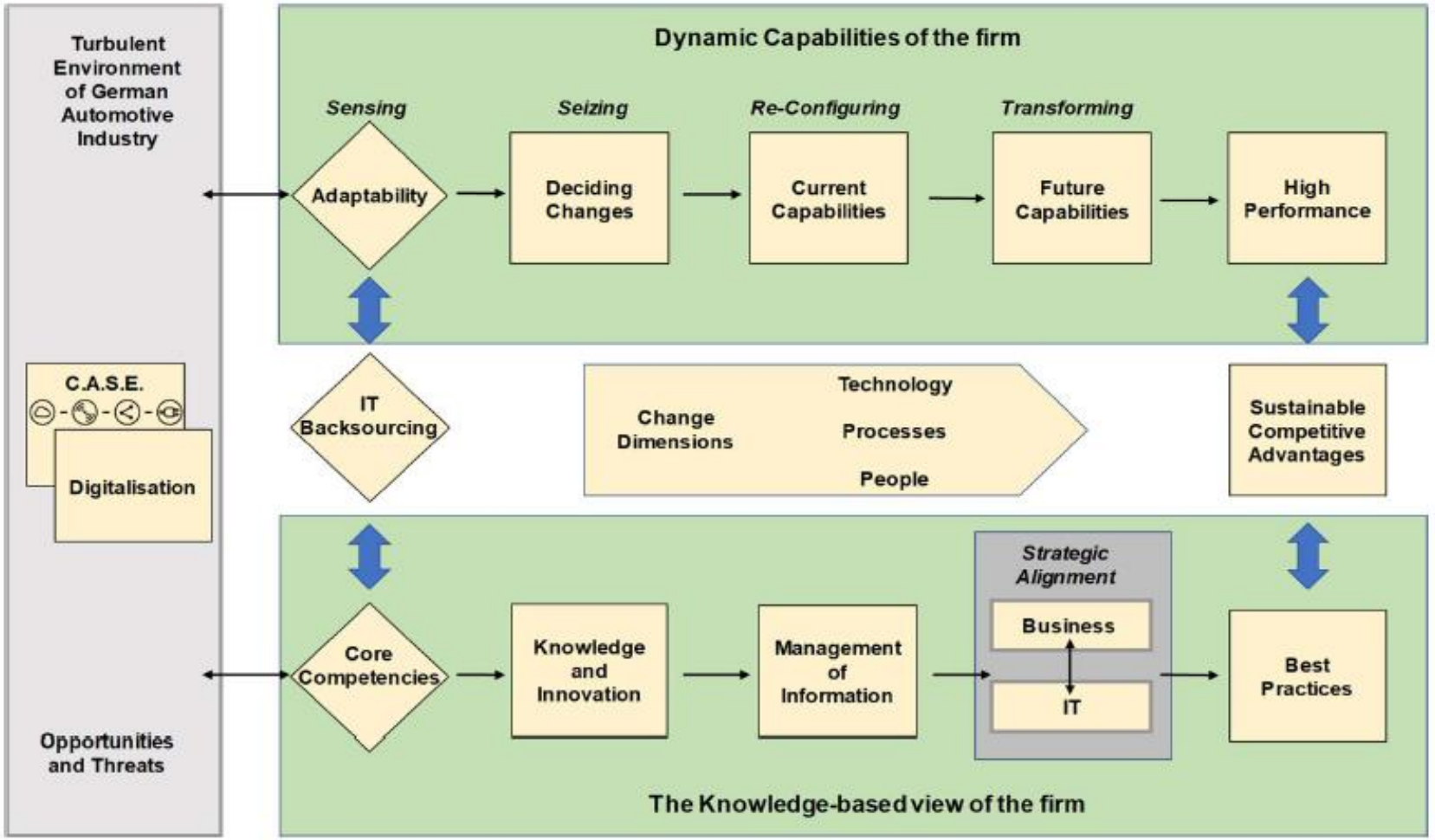
A Scientometric Framework: Application for Knowledge Management (KM) in Industry Between 2014 and 2019

School of Business and Technology University of Gloucestershire Cheltenham, UK

4. INDUSTRY

Kerstin Felser: Ph.D. Student

Digitalization" and IT backsourcing: towards a transformational model for the German automobile industry



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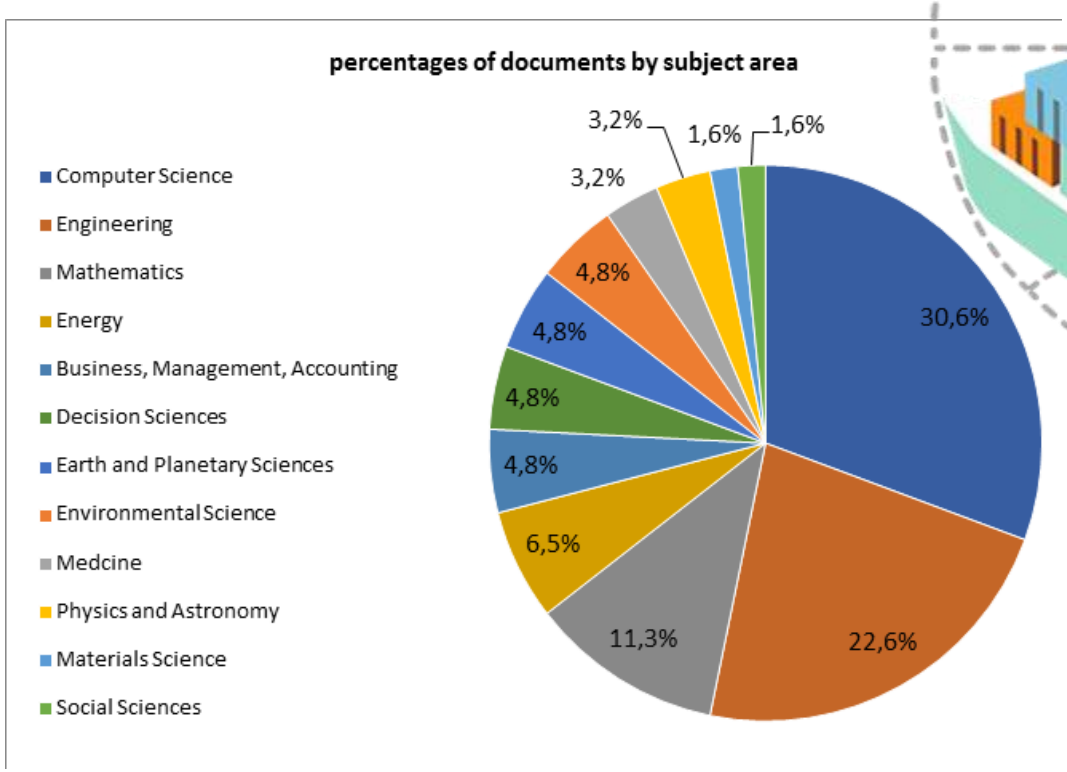
Khaoula Sahraoui: Ph.D. Student

Application of Data mining in logostics in the Transition Era to Industry 4.0: Review



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Fadhila Djouggane: Ph.D. Student

Analysis of Human Skills in industry 4.0

	CONCEPTUAL SKILLS	HUMAN SKILLS	TECHNICAL SKILLS
TOP LEVEL MANAGEMENT	• envisioning • scanning environment & organization	• human literacy • communication • motivating others	• data literacy • technology literacy
MIDDLE LEVEL MANAGEMENT	• formulate goals & objectives • build long term & annual plan	• negotiation • resolving conflict • supervision • delegation of authority	• technical expertise • understand technology trends • able to solve technical problems
LOWER LEVEL MANAGEMENT	• formulate program & policy • cultural agility	• decision making • entrepreneurship	

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Samia Aitouche: Senior Lecturer researcher

Scientometric Framework: Application for Knowledge Management (KM) in Industry Between 2014 and 2019

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H-index

G-index

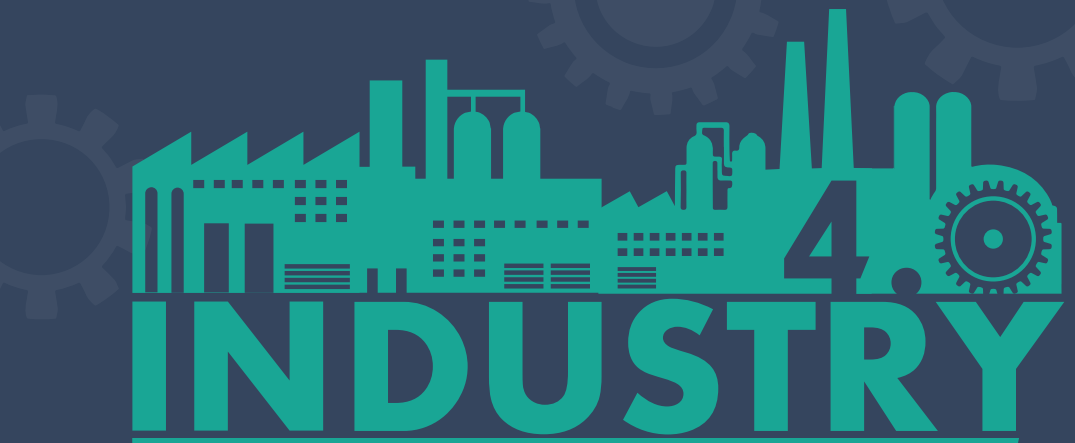
Pi-index

Indice de co-authorship

Keyword	Nb	Keyword	Nb	Keyword	Nb
Knowledge management	4	Data mining	1	Logistics	1
Industry 4.0	3	Degree of flexibility	1	Logistics and supply chain management	1
Supply chain	2	Digital technologies	1	Market situation	1
Academic literature	1	Disruption technology	1	Productivity improvements	1
Big data	1	Effective management	1	Service innovation	1
Big data analytics	1	Fundamental tools	1	Supply chain management	1
Business innovation	1	Information flows	1	Supply chains	1
Comparative advantage	1	Internet of things	1	Technological solution	1
Competitive advantage	1	Literature-based analysis	1	Thailand	1

WE HOPE THAT YOU WILL FIND THE CONTRIBUTION INTERESTING STAY SAFE

Conclusion



Thank you