Run of the seminar (S1)

Data Mining Tools and Computer Aided Quality

At the beginning of the seminar "*Data mining tools and computer-aided quality*", not only software systems for data and process processes (**WEKA, RapiMiner, Minit, ...**), but also **MES** (*Manufacturing Execution Systems*) **Wonderware** were introduced. All of these systems support the collection and subsequent analysis of business data, while **quality managers** are needed , especially in the area of **poor quality forecasting**.

Many speakers addressed the theme of **Industry 4.0**. This modern concept of production, which consists of four basic principles of organizational organization: **"networking", transparency of information, technical support and decentralization of decision-making**, requires the preparation of not only technically capable graduates, but especially graduates for middle and top management who will be in charge of this concept. The current labor market needs knowledge workers with both explicit and tacit knowledge.

Almost every business or organization already **needs a knowledge manager** (sometimes called a **digital / data steward**) who can manage knowledge workers, understand the business informatics processes, analyze a huge amount of data (big data) that arise in business processes and knows to gain knowledge that promotes the competitiveness of the company.

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Renata Janoščová

Co-chair

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