Maurizio Bevilacqua

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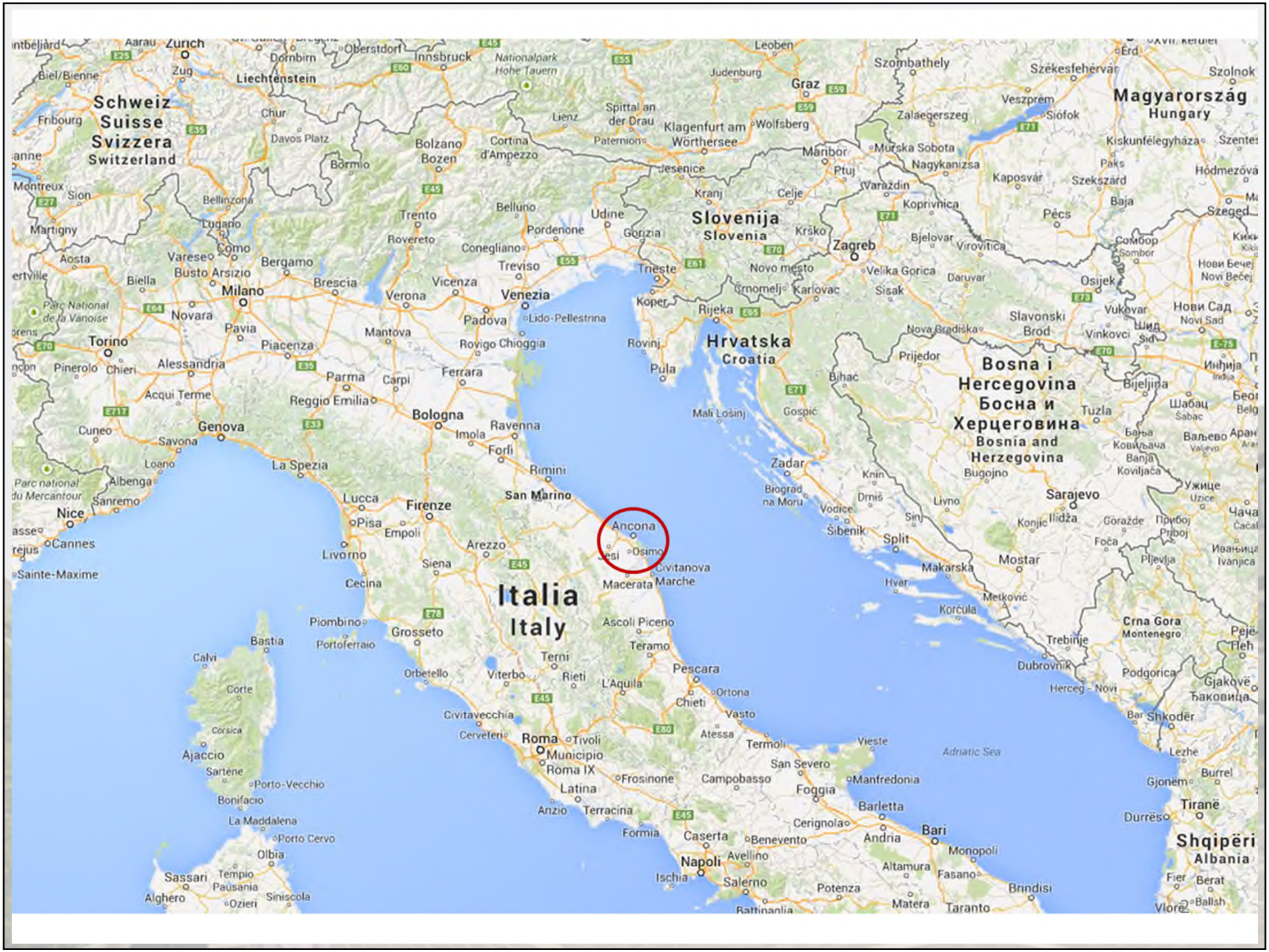
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Roma
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Trieste
Rijeka
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Sarajevo
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Faculty of Engineering

- Courses in the fields of
  - ICT Engineering
  - Civil Engineering
  - Industrial Engineering
    - Bachelor
      - Mechanical Engineering
      - Management Engineering
    - Master
      - Mechanical Engineering
      - Management Engineering

Industrial Engineering courses

- Mechanical Engineering
  - Placed in Ancona
- Management Engineering
  - Placed in Fermo

Who is Maurizio Bevilacqua

- Born in Ancona (Italy), March, 8th, 1960
- Citizen: Italian
- Status:
  - Married with Lucia
  - two daughters (Martina, eighteen years and Francesca, ten years)

Who is Maurizio Bevilacqua

- Academic position
  - Since 01/11/2007: Full Professor of Mechanical and Industrial Plants (ING-IND/17) - Faculty of Engineering, Università Politecnica delle Marche
  - 01/11/2001- 31/10/2007: Full Professor of Mechanical and Industrial Plants (ING-IND/17) - Faculty of Engineering, Università degli Studi di Bologna

Who is Maurizio Bevilacqua

- Academic position
  - 01/11/1998 – 31/10/2001: Associate Professor Mechanical and Industrial Plants (ING-IND/17) – Faculty of Engineering, Università degli Studi di Parma
  - 26/05/1990-31/10/1998 Assistant Professor (Mechanical and Industrial Plants) - Faculty of Engineering, Università degli Studi di Ancona (presently Università Politecnica delle Marche)

Who is Maurizio Bevilacqua

- Education
  - 1986
    - Master Degree with honour in Mechanical Engineering, Faculty of Engineering, Università degli Studi di Ancona, (presently Università Politecnica delle Marche)
  - 1979
    - High School degree (Liceo Scientifico Galileo Galilei, Ancona)

Who is Maurizio Bevilacqua

- Institutional Services
  - Since 01/11/2012 he is director of Management Engineering Master Degree, Faculty of Engineering, Università Politecnica delle Marche.

Who is Maurizio Bevilacqua

- Institutional Services
  - 2013-2014: Chair of the Italian National Commission for university professors recruitment for industrial engineering sector (ASN settore concorsuale 09/B2)

Who is Maurizio Bevilacqua

- Institutional Services
  - 2013-2014: director of “Francesco Turco”Summer School for industrial engineering Ph.D students.
    - The 2013 edition has been attended by Professor Wilfried Sihn
    - The 2014 edition has been attended by Professor Egon Müller

Who is Maurizio Bevilacqua

- Teaching activities
- Since 1990/91 teaches or has taught courses in the field of:
  - Operation Management
  - Industrial Plants Services
  - Production Planing & Management
  - Industrial Plant Management
  - Industrial Logistics
  - Project Management
  - Supply Chain Management
  - Industrial Safety Management

Who is Maurizio Bevilacqua

- Ph.D. and Master Degree student supervision
  - He is at present supervising 3 Ph.D. students.
  - Since 1992 he has supervised more than 250 Master students

UNIVPM Industrial Engineering Research Team

UNIVPM Industrial Engineering Research Team

- Main areas of scientific interest
  - Supply Chain Management
  - Maintenance Management
  - Industrial plant design
  - Business Process Reengineering (BPR)
  - Industrial ergonomics
  - Project Management
  - Life Cycle Assessment (LCA) for sustainable supply chains

Research highlights

- Bibliometric indicators
- At September, 2014 Maurizio Bevilacqua scientific production is characterized by the following parameters (source SCOPUS database):
  - Number of documents: 67
  - 924 total citations by 840 documents
  - H index: 15

Research highlights

- 28 papers on ISI WOS international journals
- 29 papers on SCOPUS international journals
- More than 50 papers on international conference proceedings
- 1 international book authored
- 3 chapters in international book

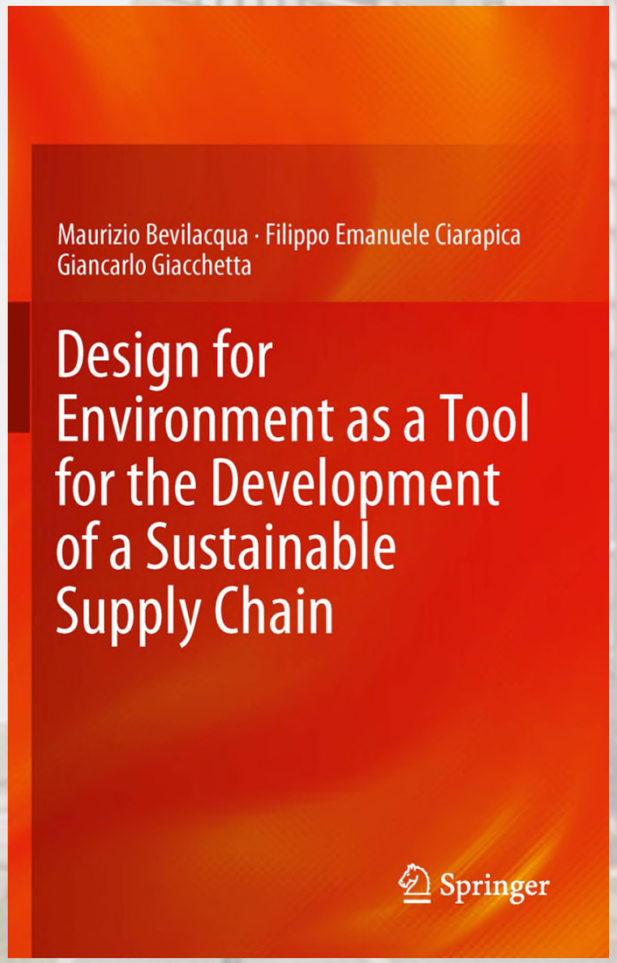
Research highlights

- Bevilacqua, M., Braglia, M., ***Analytic hierarchy process applied to maintenance strategy selection***, Reliability Engineering and System Safety, 2000, cited 181 times
- Bevilacqua, M. , Ciarapica, F.E., Giacchetta, G., ***A fuzzy-QFD approach to supplier selection***, Journal of Purchasing and Supply Management 2006, cited 130 times

Research highlights

- Bertolini, M., Bevilacqua, M., ***A combined goal programming - AHP approach to maintenance selection problem***, Reliability Engineering and System Safety ,2006, cited 75 times
- Bertolini, M., Bevilacqua, M., Massini, R., ***FMECA approach to product traceability in the food industry***, Food Control, 2006, cited 60 times

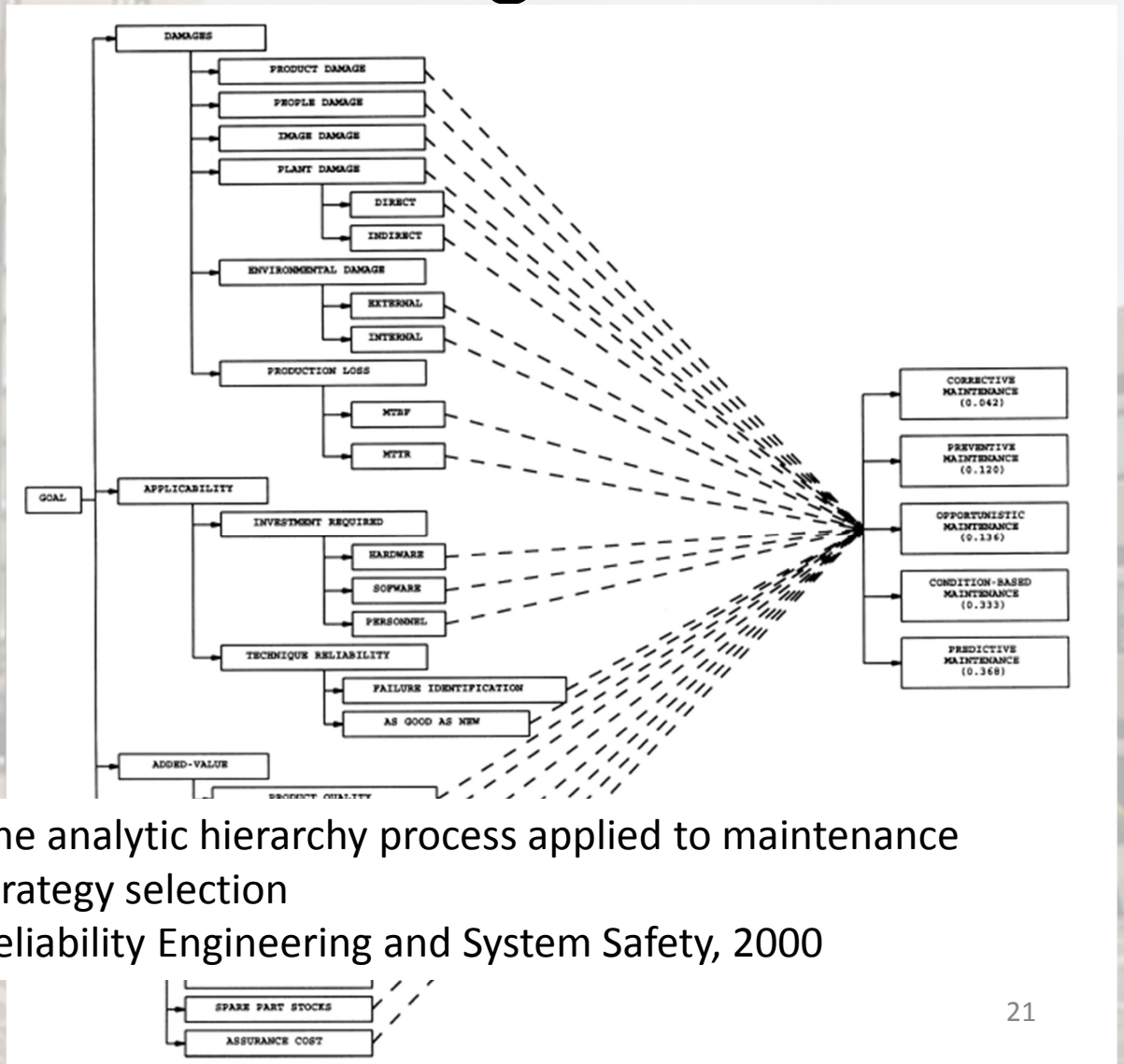
Research highlights



- Bevilacqua M., Ciarapica F.E., Giacchetta G.
  - ***Design for Environment as a Tool for the Development of a Sustainable Supply Chain***
- Springer, 2012, 373 pages

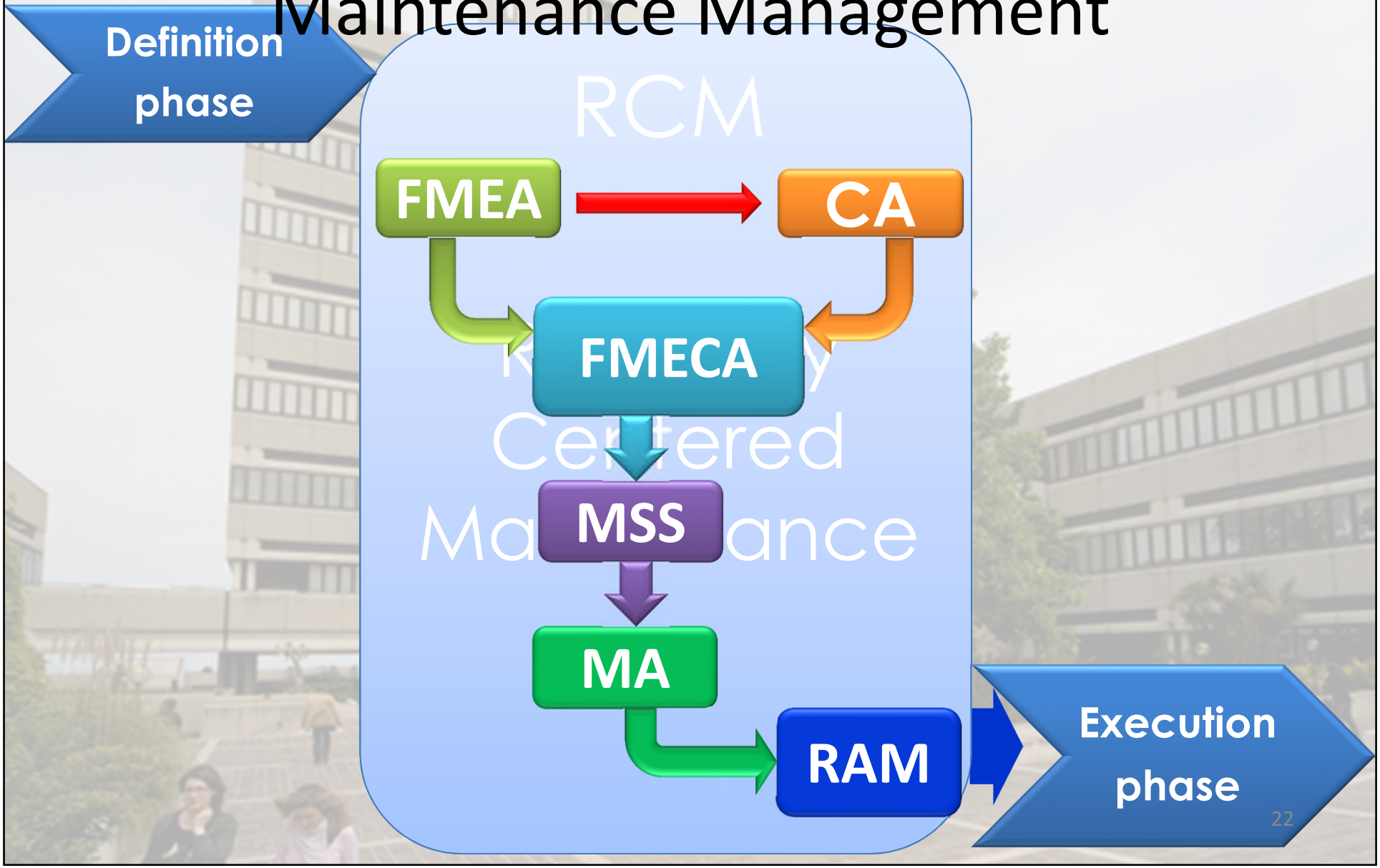
Research highlights
Maintenance Management

- Appropriate maintenance policies for a complex process plant (IGCC)



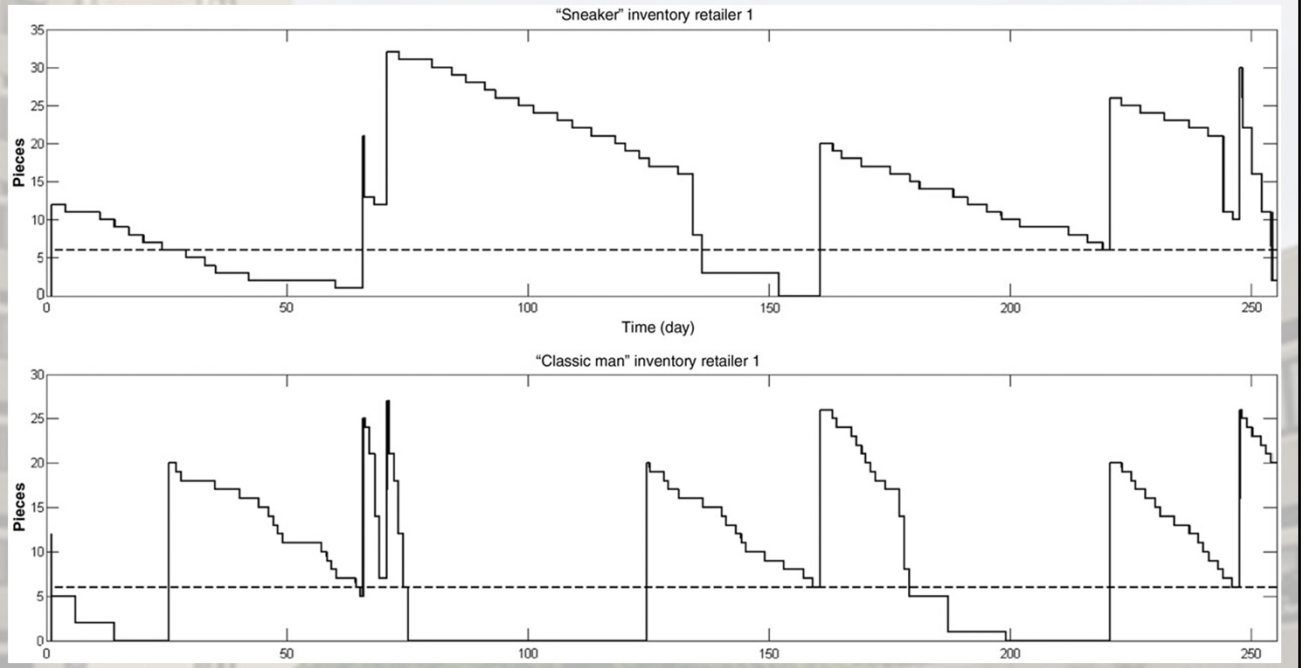
The analytic hierarchy process applied to maintenance strategy selection
Reliability Engineering and System Safety, 2000

Research highlights
Maintenance Management



Research highlights
Supply Chain Management

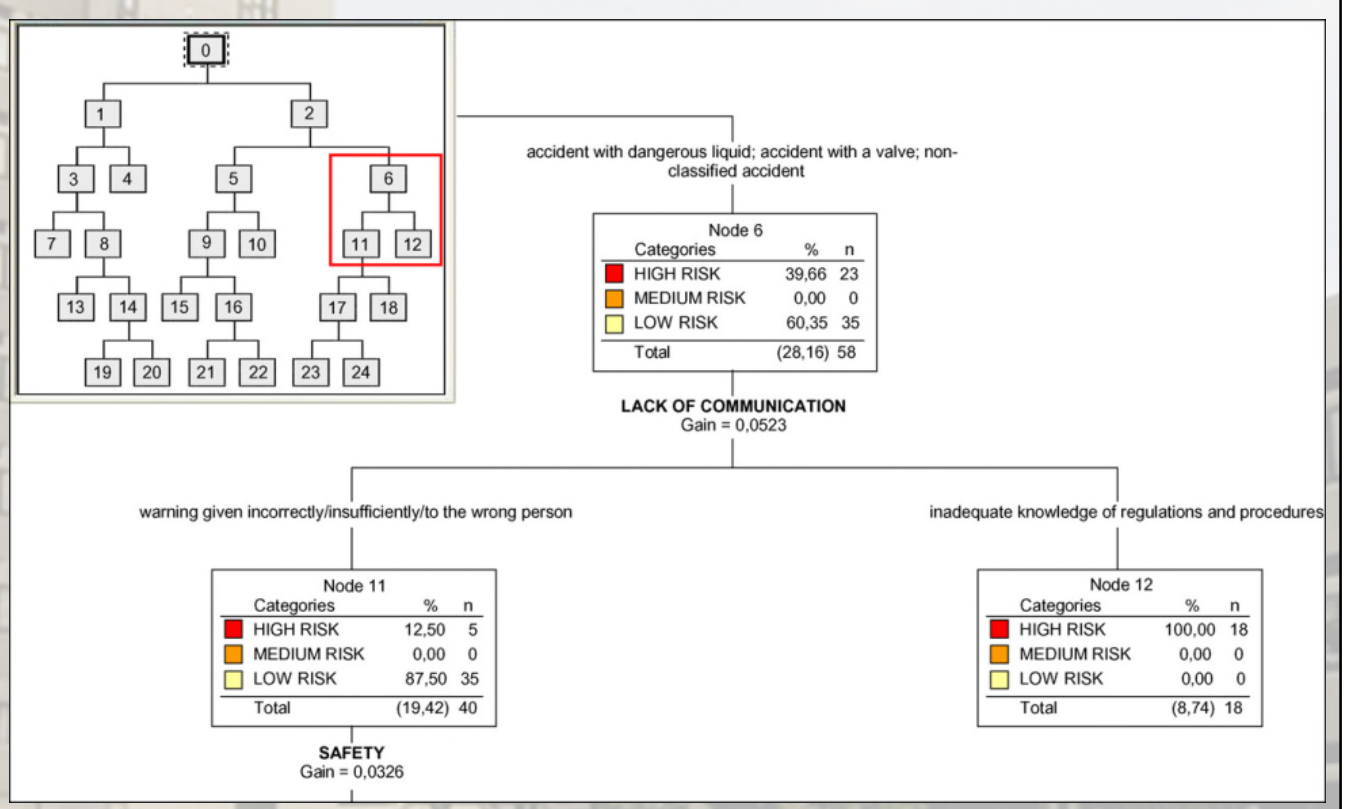
- performance evaluation at the operational level of the supply chain
- ARENA model implementing TCPN



Supply chain modelling and managing, using timed coloured Petri nets: a case study
International Journal of Production Research, 2012

Research highlights
Industrial ergonomics

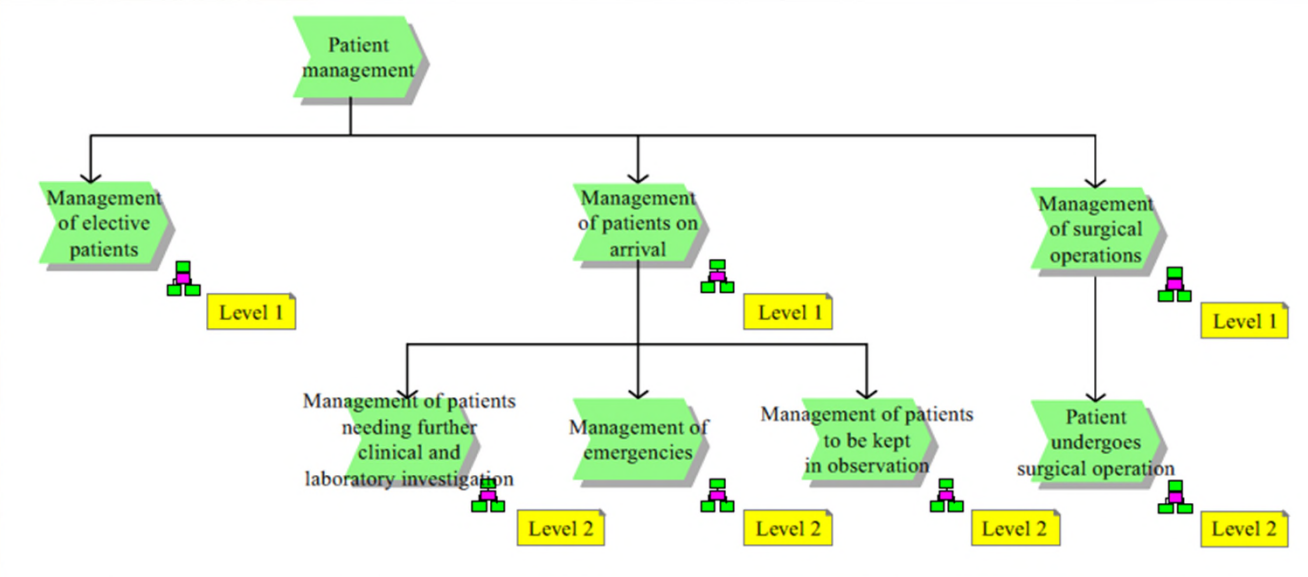
- Application of tree classification methods in the field of occupational injury



Industrial and occupational ergonomics in the petrochemical process industry: A regression trees approach
Accident analysis & Prevention, 2008

Research highlights
Business Process Reengineering

- BPR of a surgical ward in a hospital to improve efficiency
- ARIS tool



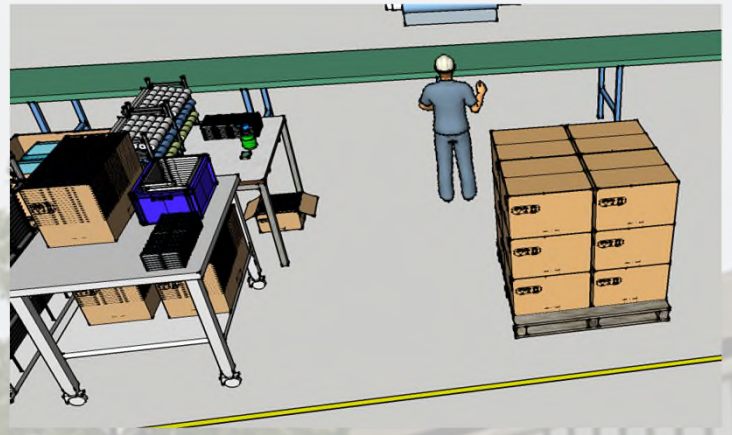
Business process re-engineering in healthcare management: a case study
Business Process Management Journal, 2011

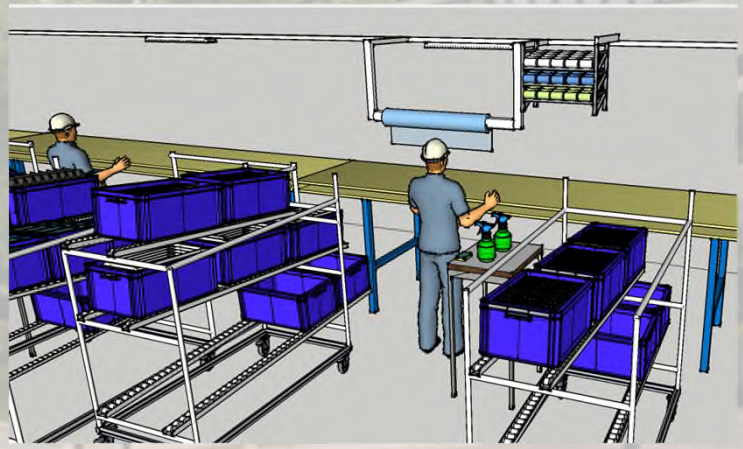
Research highlights
Industrial plant design/re-design

- Changeover time reduction in the pharmaceutical sector
- Results
  - 30% reduction of changeover time
  - 10% increase of OEE

Research highlights
Industrial plant design/re-design

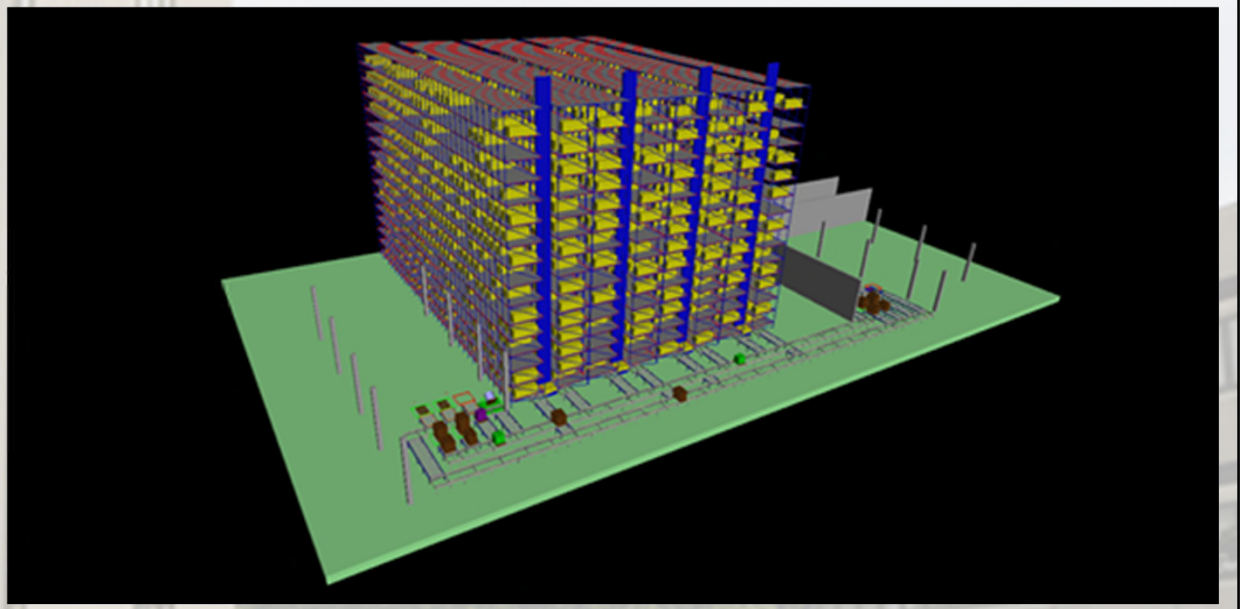
- Assembly cost reduction for kitchen hoods
- Toos
  - IDEF analysis
  - ARENA simulation





Research highlights
Industrial plant design/re-design

- Feedstocks automatic movement & storage
- Baby and adult diaper production, sanitary napkin (pad)
- Automod



Research highlights
some other industrial collaboration

- LCA for drug production

- Lean production (World Class Manufacturing)

Thank You for Your kind attention

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