Digital factory is the new book from DAAAM Publishing series “Manufacturing technology”. It addressed the issue of computer integrated Manufacturing systems, information interfaces in manufacturing, enterprise resource planning system, virtual manufacturing and application of several artificial intelligence techniques in virtual manufacturing. Special areas, which supporting a manufacturing process is describe. These areas are: tool data in computer integrated manufacturing, engineering analysis and simulations, fuzzy control, etc. The book includes many descriptions of research, experimental and practical work of authors and their project teams. It is an excellent reading for scientist and practical engineers, helping them to understand new paradigms and technology in next future manufacturing systems.