ir Jean Pierre -"JP"- Tollenboom

Academic degrees

1. M Sc Mechanical Engineering, State University Ghent (UG), Belgium
2. M Sc Nuclear Engineering, State University Ghent (UG), Belgium
3. MBA, Faculty Economics, St Ignatius, Antwerp, Belgium

Family

Married to Dr Michèle De Veirman, occupational health doctor. 2 children, Thierry & Annick. 4 grand children, Elena, Lars, Antonin, Tim.

Professional experience

1. Assistent to Prof. Somerling, lab for machines and machine construction, UG. First invention: a system for measuring the flow pre-rotation at the entry of a radial ventilator.
2. Finite elements developments: first to apply FEM to multigroup neutron flux calculations in nuclear reactors; first to apply FEM in hybrid systems for heat transfer with liquid sodium
3. Group leader for the engineering of the electro-mechanical systems of a super large storm barrier
4. Developed 3D CAD systems, based on structured parametric design method. Applied these methods in rail way car design, bus design, furniture design, building design with link to planning
5. Director R&D at Siemens subsidiary in Belgium. Introduced novel R&D organisation based on DRB (design review board), implemented and consolidated the system. Lead the creation of many product lines combining mechanics, optics, electrical power, software.
6. 20 + years president of Master Thesis Jury at KU Leuven, Campus De Nayer, school for industrial engineers.
7. Project manager, Construction site manager in many industrial projects ranging over petro-chemicals, chemicals, power plants, food, pharmaceutical, metalurgy.
8. Inventor of the DPC - Dynamic Project Control - method and developer of its software tools
9. Now focussing on training and coaching engineering students and young professinals in the techniques of project planning and monitoring using DPC
10. Participated to many conferences, presented papers at IMS (Int'l Mathematica users conf), EVM Europe,and recently CE2014.
11. Developed large volumes of code and many applications with Mathematica. Currently developing code for the optimization of farming processes.