PEREGRINUS
consulting

Name	dr. ir. Paul Desmedt
Adress	Hoevehei 25 / 5508TK Veldhoven / The Netherlands
Telephone	+31/(0)40/2485061
Email	pacdesmedt@gmail.com
Birth pland-and-date	Ukkel, September 29th, 1965
Nationality	Belgian

"Drive a program and improve the outcome of an organization in a high tech, innovative international environment to create world class products and services. "

PROFESSIONAL ACTIVITIES

May 2005 - current

Peregrinus consulting

- ✔ Founder and owner of consulting company for targeted innovation.

November 2015 - Current

Inalfa Roof Systems

- ✔ Supporting introduction of ISO26262 and Automotice Spice processes

Highlights

- ★ Fast and agile based introduction

February 2015 - November 2015

Philips Accelerate program

- ✔ Project manager for 4 pilots involving three continents to prepare mass deployment of procedures;

- ✔ Project leader to create corporate wide procedures related to my expertise (in scaled agile methods SAFe)

Highlights

- ★ Creation of new procedures at much higher speed and better quality than was the custom inside the organisation.

- ★ Very effective restart of pilot which was stalled.

2011 - 2012

Canisius Wilhelmina Ziekenhuis Nijmegen

- ✔ Information advisor and project leader in Casinius-Wilhelmina Ziekenhuis Nijmegen for radiology PACS, enterprise PACS with the goal of: digitizing, archiving and distributing images and signals for the whole hospital and between hospitals.

Highlights

- ★ Co-design of first fully integrated PACS I & PACS II system for the Netherlands

- ★ Start of enterprise architecture for hospital in connection to EPD purchase

CISTIB - Barcelona

- Responsible for the technical outcome of 50 persons and involved in several large scale European projects (euHeart, VPH NoE, Ricordo, MSV) and several Spanish projects

- Coaching of technical personnel and scientific section leaders

- Team leader for technical section of 9 persons

Highlights

- ★ 50% efficiency increase of technical section performance after 4 months

- ★ From zero external clients for technical platform to 5 external clients (and growing)

- ★ Creation of technical roadmap for lab

- ★ Effective alignment between different sections

2007 - 2009
ASML

- *2008-2009*
  Team leader/project leader for 10 to 15 people

- *2007-2008*
  Architectural design for Optical Mask-less Lithography

- *2008*
  Efficiency improvements report for software department

Highlights

- ★ On time deliverable of team goals in highly variable environment

- ★ Stable roadmap creation

2006
Advanced medical diagnosis NV

- UI investigation and technical support

Founding director 2013 - Current background activity
VOF TIM Topopleiding

- Management course for triple Helix collaboration in Brainport region.

Highlights

- ★ Ongoing commen session between participating high potentials of region.

- ★ Final session of course with about 100 important people from region (including 3 majors, head of military unit, director of companies such as Philips, …)

June 2004 - May 2005
Sabbatical period

- Improvement of personal skills (efficiency, creativity, management), travel.

X-RAY predevelopment

- ✔ Project leader and contact person for research for several projects guiding up to 8 persons, student coordinator, (briefly) vision owner for department, IT synergy creation between departments, quality procedure, prototype implementation;

Projects

- ✔ *3D rotational for vertebroplasty:*
  Project definition, prototype creation, clinical evaluation in Geneva.

- ✔ *3D rotational for limited angles:*
  Project definition, prototype implementation (Unix, C), clinical evaluation in Freiburg (Switzerland);

- ✔ *3D rotational registration with CT:*
  Adaptation of existing registration software and testing, improvement of EasyVision infrastructure, prototype creation in EasyVision environment, project definition including collaboration between the MIMIT and X-ray departments;

- ✔ *Mercury(Boston) collaboration:*
  Surveillance of development of middle ware for parallel computing;

- ✔ *Virtual roadmapping for cardiac imaging:*
  Project leadership in Best, guidance of 2 researchers in Aachen, assistance of 1 person for prototype creation in Best, prototype evaluation in Hospital Leiden;

- ✔ *Medical areas:*
  Interventional radiology (brain and spine) and cardiology;

- ✔ *Technical areas:*
  Registration, reconstruction algorithms, image quality and visualization;

- ✔ *3D rotational algorithm evaluation:*
  Evaluation of algorithm loads and implementation of speed improvements (C, Unix);

- ✔ *3D rotational image quality improvements:*
  Project definition, prototype implementation (C++, Windows), student guidance, experimental tuning of acquisition parameters;

- ✔ *3D rotational Prototype environment*
  Creation: design, project definition, implementation and distribution of prototype environment (C, Unix);

- ✔ *Philips guidance for PhD of E. van de Kraats:*
  registration (2d/3d, 3d/3d) and image guided surgery;

- ✔ *Philips guidance for PhD of S. Baert:*
  2D guidewire tracking and reprojection into 3d to assist interventions;

- ✔ *Involved in the definition of Cathlab of the future, navigation.*

MR predevelopment

- ✔ Co-leader of the cardiac image processing team of 5 persons, project leader and contact person for research for several projects guiding up to 4 persons, prototype implementation;

Projects

- ✔ *Tagging detection:*
  Own prototype creation, project definition, guidance of Ph.D. student in Paris.

- ✔ *Iliac flow:*
  IDL prototype for analysis of small vessels in legs;

- ✔ *Medical areas:*
  Diagnostic cardiology and neurology;

- ✔ *Technical areas:*
  Registration, segmentation, visualization and user interfacing.

- ✔ *Quad movie:*
  viewing tool for rest-stress studies for MR cardiac, prototype implementation (2 generations), transfer to development;

- ✔ *Ejection fraction calculation in MR:*
  Project definition and start-up;

Projects

- *Quantitative flow
  (including heart valve tracking):*
  Project start-up, guidance of Ph.D. student in Zurich, assistance in prototype implementation;

- *IDL prototyping environment:*
  Implementation of visualization examples as templates for further prototype implementations;

- *Segmentation of endo- and epicardial left ventrical contours:*
  Algorithm creation, prototype implementation, presentation to clinicians.

- *Neuro perfusion and functional registration:*
  Hamburg research guidance, implementation of prototypes (2 almost identical versions);

- *Ultrasound visualization for cardiac flow:*
  Presentation to clinicians, project start-up, small implementation changes (IDL);

February 1996- February 1999

EasyVision predevelopment

- Project leader and contact person for research for several projects, responsible for Vascular part of European Applications In Surgical Interventions and clinical and research sites, prototyping;

- *Medical areas:*
  Neurology and vascular interventions;

- *Technical areas:*
  Registration, segmentation, intervention assistance in operation room.

Projects

- *Abdominal aneurysm in operation room prototype:*
  project leader, prototype creation, clinical evaluation, 3 tot 6 months update cycle,

- *Segmentation of abdominal aorta:*
  project leader, guidance of research in Utrecht;

- *Registration for MS follow studies:*
  Technical support for clinical study with AMC;

- *2D/3D registration:*
  Project leader, guidance of research in Hamburg and London, incorporation in prototype;

- *Rigid registration for 3d:*
  Project leader, software owner, guidance of research in London;

EDUCATION

1991 - 1995
Ph.D

Thesis: Bayesian image reconstruction in Positron Emission Tomography.
Educational tasks:
Teaching the exercises for the course Information Theory. Guidance of several Ph.D.'s and student projects.

1989-1990
Civil service

1983-1989
University

Civil engineer, specialized in physics, obtained with distinction.
Final work: "Magnetic dipole transitions in the Nilson model"

1977-1983	Sint-Jan Berchmanscollege in Brussels,
High school	Belgium, section science-mathematics.

IT knowledge

Programming languages:

- ✔ C
- ✔ objective-C
- ✔ C++
- ✔ Forthran

Mathematical packages:

- ✔ IDL
- ✔ Mathematica
- ✔ Matlab

Own education

Personal efficiency:

- ✔ Covey
- ✔ Allen
- ✔ Fisher

Organisation:

- ✔ Drucker
- ✔ Rothman
- ✔ Lencioni
- ✔ Goldratt
- ✔ Collins

Creativity:

- ✔ De Bono
- ✔ Root-Bernstein
- ✔ Kelley
- ✔ Edwards

Courses within Philips Medical Systems

Personal efficiency:

- ✔ *Eindhoven, 2015*
  Leading SAFe

- ✔ *MIT MOOC, 2015*
  U.Lab: Transforming Business, Society, and Self

- ✔ *Tu Delft MOOC, 2015*
  Responsible innovation

- ✔ *Brussels, 2003*
  Developing your personal influence and impact

- ✔ *The Netherlands, 2003*
  Project management

- ✔ *Best, 2002*
  Project Team Leadership

- ✔ *Best, 2002*
  Persoonlijk Meesterschap/Personal mastery

- ✔ *Eindhoven, 2001*
  Advanced requirement specification course

- ✔ *London, 1999*
  Cardiovascular MR course

- ✔ *Delft, 1997*
  Special course on Image processing for industrial application

- ✔ *Best, 1996*
  Image recognition course

MISCELLANEOUS

Hobbies

- ✔ Semi-professional tour leader for SNP Natuurreizen;
- ✔ Sports: squash, cycling, chess (Brussels Youth Champion);
- ✔ Reading: literature and general background information;
- ✔ Creative activities: drawing (college grade with specialization),

Languages

- ✔ *French -* **fluent**
- ✔ *English -* **fluent**
- ✔ *Spanish -* **good**
- ✔ *German -* **elementary knowledge**