

**PERSONAL INFORMATION****Fadi Shrouf**

Sex: Male

Date of birth 23.09.1977

Nationality: Palestinian

Marital status: Married

☎ 00970-599089415

✉ fadi.shrouf@polimi.it | f\_shrouf@yahoo.com

fadi.shrouf@ptuk.edu.ps

💬 Skype f\_shrouf

**EDUCATION AND TRAINING**

September 2011 – 29 Feb 2016

**Ph.D. Management and Industrial Engineering** from Politecnico di Milano, Italy.

September 2011 – 21 July 2015

**Ph.D. in Industrial Management** from Universidad Politécnica de Madrid, Spain. **The grade is Excellent with Cum Laude.****Note:** I have double PhD degree; because I had a scholarship in the joint doctoral programme 'European Doctorate in Industrial Management'.**The title of the PhD thesis:** "Utilizing the Internet of Things to promote energy awareness and efficiency at discrete production processes: Practices and methodology"

June 2004 -September 2006

**Master in Information Systems in e-commerce field** from the University of Malaya, Malaysia.**The title of the Master thesis:** "An on-line decision support system for retail chain stores"

September 1997 – June 2001

**Bachelor in Administrative Science in Information Systems field**, from Palestine Polytechnic University.**Research Interests:** Sustainable Manufacturing, Production Planning, Lean Manufacturing, logistic Supply Chain Management, Project Management, E-Commerce, Internet of Things and Industry 4.0, Innovation Management, Strategic Management, Quality Management and Energy Management at Manufacturing Companies,**WORK EXPERIENCE**

August 2018 – Present

**Assistant Professor at Dept. of Industrial Management, Palestine Technical University- Kadoorie**

January 2017 – Aug, 2018

**Assistant Professor at Al-Quds Open University – Palestine (part-time)**1<sup>st</sup> March, 2016 – 30 June 2016**Post-doctoral researcher at the Department of Technology in University of Applied Sciences Emden/Leer, Germany.**

September 2011 – September 2015

**A researcher** at the Department of Management, Economics and Industrial Engineering, Politecnico di Milano (Polimi), Italy.

August. 2007 – August. 2011

**Lecturer and trainer** at Technical and Vocational Training Corporation. Altaif, Saudi Arabia.

October 2006 – July. 2007

Lecturer at Al-Quds Open University- Palestine (Part-time job).

**TRAINING****Workshops**

I participated in eleven workshops related to:

- **Operations & Production Management, and Lean management,**
- **Project Management,**
- **Innovations Management,**
- **Supply chain Management (Sustainable, logistic, purchasing, and strategic),**
- **Risk Management and resilience,**
- **Strategic Management,**
- **Sustainable manufacturing.**

The workshops also covered research methodologies in industrial management areas.

The workshops held from Oct 2011 – Nov 2014 at Royal Institute of Technology (KTH) in Sweden, Politecnico di Milano (Polimi) in Italy, and Universidad Politécnica de Madrid (UPM) in Spain as the following table

Workshop	Location	Date
First EDIM workshop	KTH - Stockholm	October 4 - 6, 2011
Second EDIM workshop	UPM - Madrid	November 30 - Dec 2, 2011
Third EDIM workshop	KTH - Stockholm	February 22 – 24, 2012
Fourth EDIM workshop	Polimi -Como	June 25 - 27, 2012
Fifth EDIM workshop	KTH - Stockholm	Oct9- 11, 2012
Sixth EDIM workshop	KTH - Stockholm	Dec11-13, 2012
Eighth EDIM workshop	Polimi -Milan	June 18 - 20, 2013
Ninth EDIM workshop	KTH - Stockholm	Oct 8- 10, 2013
Tenth EDIM workshop	KTH - Stockholm	Dec 3-5, 2013
Twelfth EDIM workshop	Polimi -Milan	June 10 - 12, 2014
Thirteenth EDIM workshop	KTH- Stockholm	Dec 25-28, 2014

**Training Programmes**

- **A Project Management workshop held by Prof Rodney Turner (Editor - International Journal of Project Management)** from 6/11/2014 to 12/11/2014 at Politecnico di Milano.
- **Writing skill (for research) workshop held by Prof Lapsley Irvine** from 15/04/2013 to 19/04/2013 at Politecnico di Milano.
- **Internet Resource Management Essentials, APNIC Training Course** held on 20 July 2004.

**PERSONAL SKILLS**

Mother tongue(s)

Arabic: Mother language

Other language(s)

English: Fluent

**Managerial skills/teaching capability**

- Operations Management, Project Management, and Innovation Management;
- Supply chain Management (Sustainable, logistic, purchasing, and strategic),
- Production Management, Total Quality Management, Lean Management, Inventory Management, Production Planning and Control, Facilities Planning, and Operations Research;
- Energy Management at Manufacturing Companies, and Sustainable Manufacturing;
- Internet of Things, Data mining, Smart Factories and Industry 4.0;
- E-commerce concepts, Management Information Systems, Strategic IS, Accounting IS, System Analysis and Design, and Database Management System;
- Networks (All CCNA levels)

**Computer skills**

- MS project Management;
- SPSS
- Object Oriented System Analysis Using UML;
- Business Process Model tools;
- AnyLogic Simulation Software;
- Cisco Networks (basics, Routing, Switching, and WAN);
- Programming (Visual basic, and R), and Computer Maintenance;

## Personality skills

- A comprehensive understanding of techniques applicable to the research area;
- Ability to critically analyse data using quantitative and qualitative techniques;
- Familiarity with the new teaching media;
- Ability to think innovatively;
- Ability and willingness to develop personal research/consultancy profile;
- Logical Analysis and Problem Solving;
- Professional in Carrying out Responsibilities;
- Possessing Self Motivation and Self-Direction;
- Working under Pressure; and Adapting with Different Cultures;
- Excellent communication skills.

## Publications

**Pechmann Agnes, Shrouf Fadi, Chonin Max, and Steenhusen Nanke (2017). “Load-Shifting Potential at {SMEs} Manufacturing Sites: A Methodology and Case Study.”** Renewable and Sustainable Energy Reviews 78 (April). Elsevier Ltd:431–38.  
<https://doi.org/https://doi.org/10.1016/j.rser.2017.04.081>.

**Shrouf Fadi, Bing Gong, Ordieres-Meré Joaquin( 2017). Multi-level awareness of energy used in production processes.** Journal of Cleaner Production. doi:10.1016/j.jclepro.2016.11.019

**Shrouf Fadi, Miragliotta Giovanni (2015). “Energy management based on Internet of Things: practices and framework for adoption in production management”**, Journal of Cleaner Production. 1–12. doi:10.1016/j.jclepro.2015.03.055

**Shrouf Fadi, Ordieres-Meré Joaquin, García-Sánchez Alvaro, and Ortega-Mier Miguel (2014). “Optimizing the Production Scheduling of a Single Machine to Minimize Total Energy Consumption Costs.”** Journal of Cleaner Production 67:197–207.

**Shrouf Fadi, Ordieres-Meré Joaquin, Miragliotta Giovanni (2014). “Smart Factories in Industry 4.0: A Review of the Concept and of Energy Management Approached in Production Based on the Internet of Things paradigm”.** IEEE Int. Conf. Ind. Eng. Eng. Manag.

**Shrouf Fadi., Miragliotta Giovanni, Ordieres-Meré Joaquin (2014). “Internet of Things as a way to increase energy efficiency in manufacturing companies: State of the art and an evaluation methodology”**, 1st Annual EDIM Ph.D. Conference 2014, Milano, Italy, June 2014, p 30 in the Book of Abstracts, ISBN: 97888-6493-022-0.

**Miragliotta Giovanni and Shrouf Fadi, “Using Internet of Things to Improve Eco-efficiency in Manufacturing: A Review on Available Knowledge and a Framework for IoT Adoption,”** in Advances in Production Management Systems. Competitive Manufacturing for Innovative Products and Services SE - 13, vol. 397, C. Emmanouilidis, M. Taisch, and D. Kiritsis, Eds. Springer Berlin Heidelberg, 2013, pp. 96–102”.

## Conferences

Presented paper at IEEE International Conference on Industrial Engineering and Engineering Management (IEEM), at Sunway Resort Hotel & Spa, Selangor, Malaysia, 9-12 December 2014.

Presented paper at 1st ANNUAL European Doctorate in Industrial Management Ph.D. Conference, Milan, Italy 11-12 June 2014.

Presented a paper in the APMS International Conference on Advances in Production Management Systems, Rhodes, Greece 24-26 September 2012.

Participated in an International Conference on ICT Business in Melaka-Malaysia, October 2004.

## References

Prof. Joaquin Ordieres, Full Professor at Universidad Politécnica de Madrid (UPM), Email: [j.ordieres@upm.es](mailto:j.ordieres@upm.es).

Prof. Giovanni Miragliotta, Associate Professor at Politecnico di Milano (Polimi), [giovanni.miragliotta@polimi.it](mailto:giovanni.miragliotta@polimi.it)

Dr. Ghassan Shahin, Assistant Professor at Polytechnic Palestine University, Palestine Email: [gshahin@ppu.edu](mailto:gshahin@ppu.edu).

Prof. Paolo Trucco, Full Professor at Politecnico di Milano Email: [paolo.trucco@polimi.it](mailto:paolo.trucco@polimi.it).