

## PERSONAL INFORMATION

Cipri Katiuscia

## WORK EXPERIENCE

2019 - present

**Project Coordinator**

Sapienza University of Rome - Department of Mechanical and Aerospace Engineering, Rome (Italy)

Coordinator of the European Project DALILA - Development of new Academic curricula on sustainable energies and green economy in Africa, ERASMUS+ Programme. Total Budget: 1.00 M€. Management of all project's activities involving the European partner in Spain and the African Universities in Tanzania and Uganda. Responsible for the communication and relations with the EACEA Agency and project partners, cost scheduling (analysis of costs, resources allocation, budget monitoring, cost reporting), preparation of documents and deliverables, elaboration of scientific and didactic materials on renewable energy, energy efficiency and global sustainability, developing and management of training activities in the partners Institutions (in presence and online). Monitoring of project activities and results, and re-addressing of Consortium's strategies.

2019 - present

**External Quality Expert**

UNIMED – Mediterranean Universities Union

Responsible for the definition of quality indicators and of monitoring procedures, the design and submission of questionnaires/grids/interviews to evaluate the project plenary meetings and the overall management. Collection of data and analysis, cooperation with the Internal Quality and Evaluation Working Group and integration of results. Elaboration of External Evaluation Plan and evaluation reports.

2018 - present

**Professor (on contract)**

Sapienza University of Rome - Faculty of Scienze Matematiche, Fisiche e Naturali, study in "Geologia Applicata all'ingegneria, al Territorio e ai Rischi", Rome (Italy)

Professor of Master course titled "Energie Rinnovabili da Fonti Geologiche" (3 ECTS)

2018 - present

**Professor (on contract)**

Sapienza University of Rome - Department of Mechanical and Aerospace Engineering, Rome (Italy)

Professor of Master course titled "Wind Technologies sizing, development and optimization" (3 ECTS)

2016 – 2019

**Research Fellowship SSD ING 09**

Sapienza University of Rome, Rome (Italy)

Research activities focus on the "Analysis and identification of barriers to the spread of systems of self-production of energy from renewable resource".

2017 – present

**Local Project Coordinator**

Sapienza University of Rome - Department of Mechanical and Aerospace Engineering, Rome (Italy)

Coordinator for Sapienza University of the European Project WESET - Wind Engineering Skills in Egypt and Tunisia, ERASMUS+ Programme. Total Budget: 56 k€.

Coordination of all project's activities in Italy, elaboration of questionnaires aim at knowing the didactic and experimental opportunities offered by beneficiary Universities on wind technologies and the labour market needs in term of skills of new experts, cost scheduling (analysis of costs, resources allocation, budget monitoring, cost reporting), elaboration of didactic materials on "Implementation of Wind Energy Systems". Responsible for Internal Monitoring and Quality activity of the project.

2015 – 2019

**Local Project Coordinator**

Sapienza University of Rome - Department of Mechanical and Aerospace Engineering, Rome (Italy)

Coordinator for Sapienza University of the European Project DESIRE - Development of higher Education teaching modules on the Socio-economic Impacts of the Renewable Energy implementation, ERASMUS+ Programme. Total Budget: 138 k€.

Coordination of all project's activities in Italy, cost scheduling (analysis of costs, resources allocation, budget monitoring, cost reporting), studies on the socio-economic aspects in the labour market and in the university educational offers (surveys and final report) elaboration of scientific and didactic materials on " Health, Well being and Environmental Quality" and on " Climate effects Environmental Management and Sustainable Development", setting of MOODLE platform for e-learning.

#### 2015 – 2019 **Project Coordinator**

Sapienza University of Rome - Department of Mechanical and Aerospace Engineering, Rome (Italy)

Coordinator of the European Project DIEGO - Development of quality system through EnerGy Efficiency courses, ERASMUS+ Programme. Total Budget: 0.97 M€.

Coordination of all project's activities in Europe (Spain and Cyprus) and in Latin America, relations with the EACEA Agency and project partners, cost scheduling (analysis of costs, resources allocation, budget monitoring, cost reporting), preparation of documents and deliverables, elaboration of scientific and didactic materials on energy (renewable and conventional systems), developing and management of training activities in the partners. Monitoring of project activities and results, and re-addressing of Consortium's strategies.

#### 2015 – 2018 **Project Coordinator**

Sapienza University of Rome - Department of Mechanical and Aerospace Engineering, Rome (Italy)

Coordinator of the European Project ECO-RED - European quality Course system for Renewable Energy Development, ERASMUS+ Programme. Total Budget: 0.99 M€.

Coordination of all project's activities in Europe (Poland and Cyprus) and in Viet Nam, relations with the EACEA Agency and project partners, cost scheduling (analysis of costs, resources allocation, budget monitoring, cost reporting), preparation of documents and deliverables, elaboration of scientific and didactic materials on energy (renewable and conventional systems), developing and management of training activities in the partners, monitoring and quality activities.

#### 2012 – 2014 **Assistant Professor**

Sapienza University of Rome - Department of Mechanical and Aerospace Engineering, Rome (Italy)

Research studies on combined systems, thermodynamic solar panels and biomass technologies, for the production of Syngas and H<sub>2</sub>. Design of grid for small regenerative users and a fleet of turbo-hybrid vehicles. Research studies on cryogenics technologies applied to molecular storage.

Professor of Master course titled "Energy Systems II" (6 ECTS). Professor of Master course titled "Alternative Energies and Rational Use of Energy" (6 ECTS).

#### 2013 – 2017 **Project Coordinator**

Sapienza University of Rome – Department of Mechanical and Aerospace Engineering, Rome (Italy)

Coordinator of the European Project JAMILA - Joint mAsTer of Mediterranean Initiatives on renewable and sustainable energy, funded by EACEA, TEMPUS Programme. Total Budget: 1.25 M€.

Coordination of all project's activities in Europe, Egypt and Palestine, relations with the European Commission and project partners, cost scheduling (analysis of costs, resources allocation, budget monitoring, cost reporting), preparation of documents and deliverables, elaboration of scientific and didactic materials on energy (renewable and conventional systems), developing and management of training activities in the partners.

#### 2010 – 2014 **Project Coordinator**

Sapienza University of Rome – Interuniversity Research Centre on Sustainable Development (CIRPS), Rome (Italy)

Coordinator of the European Project MANSUR – MAster oN SUstainable development and Renewable energy, financed by EACEA, TEMPUS Programme. Total budget: 1.26 M€.

Local Coordinator for Sapienza of the European Project MUREE - Modernising Undergraduate Renewable Energy Education: EU Experience for Jordan, funded by EACEA, TEMPUS Programme. Sapienza's Budget: 81.3 k€.

Coordination of all project's activities in Europe and Jordan, relations with the European Commission and project partners, cost scheduling (analysis of costs, resources allocation, budget monitoring, cost reporting), preparation of documents and deliverables, elaboration of scientific and didactic materials on energy (renewable and conventional systems), developing and management of training activities in the partners. Countries. Since January 2010 elaboration, design and submission of European proposals in Energy field (TEMPUS Programme, Intelligent Energy Europe, Europeaid, 6<sup>th</sup> and 7<sup>th</sup> Framework Programme, now Horizon 2020).

**2007 – 2010**    **Research Fellowship SSD ING 09**

Sapienza University of Rome, Rome (Italy)

Research studies on Energy production systems for Developing Countries.

**2009 – Present**    **Vice President and Energy Expert**

MES Microconsulting Energia & Software Scarl, Rome (Italy)

Business Manager and responsible of Energy area. Design of photovoltaic Systems for privates and companies, Energy Certifications for buildings, consultant for the participation in National and International call on renewable and conventional energy. Development of microgenerator (prototype) based on Scroll compressor.

**2007 – 2009**    **Business manager and Energy Expert**

Microconsulting Srl, Rome (Italy)

Administrative activities, management of communication and relations with customers. Main Activities in Energy Area: study and design of a Thermodynamic Solar plant for desalination in Arabic Countries, energy audit and certifications.

**2005 – 2009**    **Energy Consultant**

CIRPS Consortium (Rome), S.TRA.TE.G.I.E. Srl (Ancona), Kloben Sas (Verona), AIEE - Associazione Italiana Economisti dell'Energia (Rome)

Elaboration of Energy and environmental plan for the Municipality of Frascati (Rome) - CIRPS; A numerical code for a control unit of a micro cogenerator - S.TRA.TE.G.I.E.; A feasibility study for the production of electricity through the use of solar thermal collectors - Kloben; Report on the investigation of final consumption of electricity and thermal energy in the tertiary - AIEE.

**2006**    **Manager Assistant**

Sapienza University of Rome - Department of Mechanical and Aerospace Engineering, Rome (Italy)

Manager Assistant in NINFEE – New Interuniversity Network For Energy and Environment, AsiaLink Programme, European Commission. Planning and submission of proposal. Management of project's activities, grants agreement, negotiation phases with European Commission.

**2004 – 2005**    **Scientific Tutor**

FILAS - Finanziaria Laziale di Sviluppo, Rome (Italy)

Scientific and Technological consultant in the development, designing and manufacturing of close cycle cryogenic systems.

**2003**    **Manager Assistant**

Sapienza University of Rome - Department of Mechanical and Aeronautical Engineering, Rome (Italy)

Internationalization activity of the second level Master Course on "Energy and Environment Management".

2003 – 2009 **Scientific Secretary**  
 Sapienza University of Rome - Interuniversity Research Centre on Sustainable Development, Rome (Italy)  
 Organization of biannual International Stirling Engine Conference - ISEC.

2002 **Mechanical engineer**  
 Sapienza University of Rome - Department of Mechanical and Aeronautical Engineering, Rome (Italy)  
 Development of a innovative close cycle cryorefrigeration system, Pulse Tube type.

## EDUCATION AND TRAINING

2010 **Certificate of Specialization (II Level) on Energy Manager**  
 B.I.C. Omega srl (Financed by Marche Region), Teramo (Italy)  
 Technician on renewable sources, safety and environmental hygiene.

2007 **Certificate of Attendance: Training course on Large Size Solar Thermal Plants**  
 Solarge European Project, Rome (Italy)

2004 – 2006 **PhD in Energetic**  
 Sapienza University of Rome, Rome (Italy)  
 Final Thesis on “Close Cycle Cryorefrigeration systems: Pulse Tube type”

1994 – 2002 **University Degree in Mechanical Engineering**  
 Sapienza University of Rome, Rome (Italy)  
 Final thesis on “Implementation of a computational code for the sizing of a “Pulse Tube” cryorefrigerator and first validation”. Final grades: 105/110.

1989 – 1994 **Scientific Diploma**  
 Liceo Scientifico “A. Landi”, Velletri (Rome) (Italy)  
 Scientific studies: Mathematics, Physics, Biology and Astronomy. Classic studies: Latin, Literature, Philosophy, English Language. Final grade: 56/60.

## PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	B2	C1	B2	C1
France	A1	A1	A1	A1	A1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user  
[Common European Framework of Reference for Languages](http://europa.europa.eu/education/policies/education/education_languages/education_languages_framework.htm)

- Communication skills** Rational and calm, I am able to communicate at all levels from colleagues up to senior management. I have improved my communication skill already through the first job experiences at university with the coordinating of students for thesis, lectures and the managing of research teams. As external consultant I have developed the capacity of relationship with stakeholders, customers, colleagues and technicians, improving my communication skill to different levels of knowledge and competence, always aiming at being effective and crystal clear. The role of Coordinator in several European Projects has improved communication skills, coordinating all the interactions among project partners and becoming the contact and reference point for all communication to/from the European Commission. The European experience has perfected my communication skill at international level, improving the sensibility to understand and to foresee, and the capacity to manage also critical situations, due at roles, traditions and gender restrictions induced by different cultures (North of Europe and Mediterranean Countries).
- Organisational / managerial skills** My key strengths are excellent organization skills, including activities planning, human resource management and problem solving, and flexibility, adapting myself to the different conditions of job and urgent deadlines. I am stimulated by new experiences and opportunities, which ask also the use of my own resources. I am able to manage challenges with calm and enthusiasm, enjoying to work in a dynamic environment. I am aware how important is to work in an efficient way, both in a team and individually, respecting the different roles and competences.
- Computer skills** Excellent command of Microsoft Office™ tools and Microsoft project. Sistema operativo Windows, pacchetto applicativo Office e Fortran Visual Workbench. Proficiency in 2D and 3D CAD software for technical design, Photoshop (Adobe package) for graphics and photo design. Proficiency in the main energy software for photovoltaic plants (Termoenergia, SunSim, PVsyst, PVGIS), for evaluation of energy consumption in building (Termus, Docet, Termo), for energy plants (Transys). Moodle
- Other skills and competences** During the last 10 years, several experiences of cooperation projects in Cameroun, Angola, Ethiopia, as volunteer and then as Director of Missionary Office of the Velletri-Segni Diocese.
- Driving licence** Full Clean Driving License A and B

## ADDITIONAL INFORMATION

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- Publications**
- K. Cipri, L. Cioccolanti, R. Naldi  
"Experimental analysis of a pulse tube based new prototype for cells cryopreservation"  
International Journal of Energy Research, 2020, Volume 44, Issue 7, Pages 5905-5916; Wiley
- K. Cipri, L. Cioccolanti, A. Binni, M. Pirro, D. Bevilacqua, F. Rispoli  
"Improvement of the control strategy of a Pulse Tube refrigerator for the cells cryopreservation"  
18<sup>th</sup> International Stirling Engine Conference – ISEC, 19-21 September 2018, Tainan (Taiwan)
- R. Jiménez-Castañeda, K. Cipri, J.A. Clavijo-Blanco, J. Moreno-Ruiz  
"The support of European programmes in the Internalization process of Engineering Courses"  
IEEE EDUCON - Global Engineering Education 2018 , 17-20 April, 2018, Santa Cruz de Tenerife, Canary Islands, Spain )
- S. Khader, A. Daud, S. Odeh, A. Arafeh, K. Cipri, M. Ehriez  
The Role of Local Market in Establishing Solid Master Program in Renewable Energy and Sustainability  
2017 IEEE Global Engineering Education Conference (EDUCON)
- D. Nogas Sobrinho, K. Cipri, V. Naso  
"Cell cryopreservation through Pulse Tube refrigerator: toward a final prototype"  
15th International Stirling Engine Conference, 27-29th September, 2012, Dubrovnik (Croatia)
- E. Lopez, K. Cipri, V. Naso

"Technologies for Cryopreservation: Overview and Innovation"  
Chapter 19, Cryobiology, 2012 InTECh Editore

K. Cipri, E. Lopez, V. Naso  
"Investigation of the use of Pulse Tube in cell cryopreservation systems"  
"Cryobiology", 61 (2010) 225-230, Elsevier

K. Cipri, E. Lopez and V. Naso  
"The feasibility study of pulse tube application in molecular cryoconservation"  
14th International Stirling Engine Conference, 16-18 November, 2009, Groningen, The Netherlands.

R. Cigna, O. Fumei, K. Cipri, M. Palitto  
"Innovative multiple effect solar desalination plant in the gulf area"  
IDA (International Desalination Association) World Congress 2009, 7-12 November 2009, Atlantis, The Palm, DUBAI.

R. Cigna, O. Fumei, K. Cipri  
"Technical analysis of parabolic trough concentrators, problems and solutions"  
Poster, SFGP2009 - Société Française de Génie des Procédés, 14-16 Octobre 2009, Marsiglia, FRANCIA.

A. Binni, K. Cipri, F. Marca and V. Naso  
"The FP32 Stirling Free Piston prototype: theoretical and experimental analysis."  
13th International Stirling Engine Conference, 23-26 September, 2007, Tokyo, JAPAN.

K. Cipri, A. Binni, A. Michiorri and V. Naso  
"Orifice Pulse Tube Refrigerator: validation of an analytical model by means of an experimental apparatus."  
13th International Stirling Engine Conference, 23-26 September, 2007, Tokyo, JAPAN.

M. Lucentini, A. Binni, K. Cipri, V. Naso, M. Salvatore and T. Quadrini  
"Experimental testing system for closed-cycle Pulse Tube Refrigerators"  
12th International Stirling Engine Conference, September 7-9, 2005, Durham, UK.

M. Lucentini, K. Cipri, A. Binni, V. Naso and A. Michiorri  
"Experimental analysis of thermofluid dynamic behaviour of Pulse Tube Refrigerators"  
12th International Stirling Engine Conference, September 7-9, 2005, Durham, UK.

D. Wei, V. Naso, M. Lucentini and K. Cipri  
"Thermal and Hydraulic Parametric Resonance Model of Thermoacoustic Engine"  
3rd International Energy Conversion Engineering Conference

K. Cipri, M. Lucentini  
"Stroke volume depending upon working temperature"  
11th International Stirling Engine Conference, November 19-21, 2003, Rome, Italy.

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F.to KATIUSCIA CIPRI

"Al fine della pubblicazione"