


Brief CV

Name	ROSARIA ANNA PUGLISI	中文名		
Gender	FEMALE	Title (Pro./Dr.)	Dr.	
Position (President...)	Scientific Researcher	Country	Italy	
University/ Department	CNR-IMM			
Personal Website	https://hq.imm.cnr.it/users/rosariapuglisi			
Research Area	Silicon nanostructures: nanodots, nanowires, nanoholes; Development of non-conventional lithographic methods based on self-assembling of block-copolymers; Doping of silicon through molecular monolayers; Fabrication and characterisation of solar cells based on Si and Si nanostructures.			

Brief introduction of your research experience:

Rosaria A. Puglisi received the Master Degree in Physics, with summa cum laude, in 1996 and the PhD in Materials Science in 2000 from the University of Catania. During her PhD she worked for a year with Professor Atwater at the University of Caltech (USA). After the doctorate she obtained two scholarships from STMicroelectronics and one from INFN, and a Post Doc position (Assegno di Ricerca) from the University of Catania. Since 2001 she is a staff research scientist at CNR and works at IMM Headquarters (Catania HQ), where is the responsible for the Laboratory for Solar and the Laboratory for copolymer-lithography, topics on which she has previously been also responsible for 2 activity modules. As a researcher at IMM she has developed the following activities:

- Lithography based on self-assembling of block-copolymers (since 2005)
- Molecular monolayer doping (since 2011)
- Fabrication and characterization of solar cells based on silicon nanowires and silicon nanoholes (2012)

On the silicon nanostructured solar cells she has been the responsible for a research line in an Italian Project (PON, ENERGETIC), has written a book review chapter and has been invited to hold a seminar at the German University of Paderborn.

She is the author or co-author of 2 review articles, 1 book chapter and of an European patent on the copolymer lithography. Still on this topic and on the fabrication of Si nanostructures she has also been invited to give 2 seminars at International Conferences.

On the molecular doping she has written a Feature Article on a JCR Journal, collaborates with STMicroelectronics and Tyndall and is currently tutoring 4 PhD Theses and 1 undergraduate thesis in collaboration with several Italian Universities.

*******All the columns need to be filled in.**