FORMATO EUROPEO PER IL CURRICULUM VITAE

INFORMAZIONI PERSONALI

Nome | HUANG FANGCHENG

Indirizzo

Telefono

Fax

E-mail

Nazionalità | CINESE

Data di nascita

ESPERIENZA LAVORATIVA

2015–2019

Research Assistant, Ningbo Institute of Industrial Technology, The Chinese Academy of Sciences.
Task: Simulation of the EM wave for Plasmonics, Solar Cell, Calculate the sphere scattering, participate in the project application,
Roles: The leader of the simulation team, The administrator of servers of the team.

2006–2012

Phycsc teacher in Middle School.
Shangtushi high Middle School (Anhui, China)

ISTRUZIONE E FORMAZIONE

2019 – present

PhD Degree in Mathematical Models for Engineering, Electromagnetics and Nanosciences - Sapienza Università di Roma, Roma, Italy.
Thesis Title: The Multi-spheres Scattering and Fourier Modal method in Periodic Scattering
Status: In the writing phase

2012 – 2015

M.Sc. Plasma Physics, University of Science and Technology of China, Hefei, China.
Thesis Title: Research and Design KTX Vacuum Chamber Baking System for Desgassing Innovation Design a new Baking system for Desgassing in the fusion plasma experiment.
Graduation grade: very good

2002 - 2006

Phyics, Anqing Normal University, Anqing, China.
Graduation project: The boundary condtion of electromagnetic
Graduation grade: very good

CAPACITÀ E COMPETENZE PERSONALI *Acquisite nel corso della vita e della carriera ma non necessariamente riconosciute da certificati e diplomi ufficiali.*	
MADRELINGUA	**CINESE**
ALTRE LINGUE	**PHD IN ENGLISH, PHD DISSERTATIONS WRITTEN IN ENGLISH, PUBLICATIONS AND PRESENTATIONS ARE IN ENGLISH) [Indicare la lingua]**
CAPACITÀ E COMPETENZE TECNICHE *Con computer, attrezzature specifiche, macchinari, ecc.*	MATLAB,C++, using C++ to write programmes: Electromagnetic-wave scattering by a sphere. Using Matlab to write a program of Fourier Modal Method Lumerical, Comsol, using Lumerical to simulate the solar cells and Comsol to simulate the Plasmonics Windows server, Linux(The administrator of the servers for more than 5 years)
INTERESSI PERSONALI	The numerical method of Mechanical Metamaterials and its fabrication
PUBBLICAZIONI	Fangcheng Huang, Fabrizio Frezza, Joao Cunha, Tianlong Guo, Bo Jiang, Tong Lu, Yanfei Lu, Remo Proietti Zaccaria. The Fourier Modal Method for Plasmonics (PIERs 2019). Fangcheng Huang, Fabio Mangini, Sidra Batool, Fabrizio Frezza. Electromagnetic Scattering by Metal Spheres (URSI 2022). Fangcheng HuangFabio Mangini, Sidra Batool, Sharmetha Kannan, Remo. Proietti Zaccaria and Fabrizio Frezza, "Electromagnetic Scattering by Metal Spheres", Proc. Bremen Workshop on Light Scattering 2022, 21 Marzo 2022. Bin Wang, xingwang Zhu, Fangcheng Huang, Yu Quan, Gaopeng Lu, Xiaolinzhang, Fangwu wiong, Chao Huang, Mengxia Jia, Huaming Li, Paul K. Chub, Weixiang xia. Porous edge confinement: High carrier potential and low activation energy barrier synergistically boosting the efficiency of selective photocatalytic CO_2 conversion. (Applied Catalysis B: Environmental, accepted. 2022). Chunyan Wu, Shuo Ding, Fangcheng Huang, Guanhua Qiu, Fayin Yu, Tao Sun, Chaoyu Xiang, Lei Qian Enhances the absorbance of lead sulfide quantum dot solar cells by the bilayer layers of ZnO thin film with a self-assembly optical structure. (submitted to Small Journal)
CORSI	Advanced Electromagnetics and Scattering (Prof. Fabrizio Frezza) Artificial Materials, Metamaterials and Plasmonics for Electromagnetic Applications (Prof. Frezza) ESoA course on Advanced Computational Electromagnetics (Prof. Francesco Andriulli and Prof. Giuseppe Vecchi)

Per ulteriori informazioni:
www.cedefop.eu.int/transparency
www.europa.eu.int/comm/education/index_it.html
www.eurescv-search.com