

## PERSONAL INFORMATION

Family name, First name: Casiraghi, Cinzia

ORCID: 0000-0001-7185-0377

Nationality: Italian

Website: <http://casiraghi.weebly.com>

## ○ EDUCATION

- 2006 PhD in Electrical Engineering, Department of Engineering, University of Cambridge, UK
- 2001 Laurea (BSc&MSc), *summa cum laude*, department of Nuclear, Politecnico of Milan, Italy

## ○ CURRENT POSITION

- 2016 – Now Professor, Chair in Nanoscience  
Department of chemistry, University of Manchester, UK
- 2014 – 2016 Reader, Department of chemistry, University of Manchester, UK
- 2010 – 2014 Lecturer (Assistant Professor), Department of chemistry, University of Manchester, UK

## ○ PREVIOUS POSITIONS

- 2008 – 2013 Junior Group Leader (see awards), Humboldt foundation,  
Physics department, Freie Universität Berlin, Germany

## ○ FELLOWSHIPS AND AWARDS

- 2022 – 2027 **ERC Advanced**, € 2, 500 000, 5 years
- 2021 Newton Fellowship, awarded, The Royal Society
- 2021 AAAFM- Heeger Award, \$2, 000, AAAFM-UCLA Conference on Functional Materials
- 2020 **ERC Proof of Concept**, € 150k, European Commission
- 2020 **Gibson-Fawcett Award**, The RSC, UK, £2,000 and Medal – in recognition of her contribution in the development of water-based 2D inks suitable for printed electronics and biomedical applications.
- 2019 Marie-Curie Fellowship – awarded, EC
- 2016 **Leverhulme Award** in Engineering (£100,000), The Leverhulme Trust - in recognition of her contributions in material science applied to engineering.
- 2015 – 2021 **ERC Consolidator**, € 2, 000 000
- 2014 **Marlow Award**, The RSC, UK, £2,000 and Medal - in recognition of her contribution to Raman spectroscopy of Carbon nanostructures
- 2012 Newton Fellowship - awarded, The Royal Society
- 2008 – 2013 **Sofja Kovalevskaja Award**, Humboldt Foundation, Germany, € 1, 600 000,
- 2007 – 2008 **Humboldt Fellowship**, Humboldt Foundation, Germany, 1 year
- 2005 – 2007 Ernest Oppenheimer Early Career Research Fellow, University of Cambridge, UK

## ○ RESEARCH INCOME: Total > £ 15 M (~ **£ 5 M as PI**)

- **PEER-REVIEW PUBLICATIONS:** Prof Casiraghi has published > 100 scientific papers (incl. 2 Nature Nanotech, 1 Science, 1 Nature Materials, 1 Nature physics, 1 Nat. Chem, 1 Nat. Comm, >5 ACS Nano and >5 Nano Lett), 31 of which have been cited over 100 times, with a total of ca. **33,700 citations**. Ca. 3000 citations were achieved in 2021. **h-index: 52** (Google Scholar, accessed on: 02/02/2022)

## ○ SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

- 2010 – Now **Number of Postdocs: 21; PhD Students: 14; Master Students: 20**  
Department of chemistry, University of Manchester, UK

2008 – 2013    Number of Postdocs: 2; PhD Students: 1; Master Students: 8  
Physics department, Freie Universität Berlin, Germany

#### ○ ORGANISATION OF SCIENTIFIC MEETINGS

Since 2014, organization of > 10 major international conferences as:

##### **Chair/Co-Chair**

2020            Co-chair of the IEEE conference, Nanjing, China, *postponed* to 2022  
2017            Co-chair of the symposium NM04, Fall MRS 2018, Boston, US  
2016            Co-chair of the symposium Z, e-MRS, Lille, France  
2015            Chair of the Graphene Week 2015 conference, 800 people attending, Manchester, UK

##### **Member of the conference committee**

2020            Member of the programme committee of the Material Chemistry conference,  
organized by The Royal Society of Chemistry, Dublin, *postponed* to 2021  
2019            Member of the advisory committee of the Graphene Week and Graphene conference  
2017            Member of the advisory committee of the Graphene conference 2018  
2016            Member of the programme committee of the Graphene Week 2016 conference, Poland  
2014            Member of the advisory committee of the Graphene Week 2014 conference,  
Gothenburg

#### ○ REVIEWING ACTIVITIES

2019 – Now    Associated editor of *Nanoscale*, RSC, IF:6.89  
2013 – 2019    Member of the editorial board of *Scientific Reports*, Nature research, IF: 3.998  
2020 – Now    Member of the Senior Advisory Board, *J. Phys. Mat.*, IOP, IF: TBD  
2015 – Now    Member of the advisory board of *npj 2D materials*, Nature research, IF: 9.324  
2008 – Now    Reviewer for several journals: Nature Materials, Nature Nanotechnology, Science,  
JACS, ACS Nano, Nano Lett. Adv. Mat, Adv. Fun. Mat., etc  
2019 – Now    Member of the EPSRC peer college, UK  
2011 – Now    Reviewer for: EC (ERC, H2020, FP7, etc), EPSRC, The Royal Society, Royal  
Academy of Engineering, various national funding agencies (France, Belgium,  
Switzerland, Netherland, Ireland, Poland, Germany, etc).  
2010 – Now    External PhD examiner (e.g. University of Cambridge, Imperial College London,  
TCD Dublin, Oxford University, University of Sussex, Aarhus University, Liverpool  
University)  
2015 – Now    External evaluator for Academic promotions in UK, China, Italy, and US

### 10 most important PUBLICATIONS [citations from Google scholar, 01/01/2022]

- (1) Viscoelastic surface electrode arrays to interface with viscoelastic tissues. Christina M Tringides, Nicolas Vachicouras, Irene de Lázaro, Hua Wang, Alix Trouillet, Bo Ri Seo, Alberto Elosegui-Artola, Florian Fallegger, Yuyoung Shin, Cinzia Casiraghi, Kostas Kostarelos, Stéphanie P Lacour, David J Mooney, **Nat. Nanotechnol.** 16, 1019 (2021) [17]
- (2) Low-voltage 2D materials-based printed field-effect transistors for integrated digital and analog electronics on paper, S Conti, L Pimpolari, G Calabrese, R Worsley, S Majee, D K Polyushkin, M Paur, S Pace, D Hoon Keum, F Fabbri, G Iannaccone, M Macucci, C Coletti, T Mueller, C Casiraghi, G Fiori, **Nature Comm** (2020), 11, 1 [57]
- (3) All-2D Material Inkjet-Printed Capacitors: Toward Fully Printed Integrated Circuits, R Worsley, L Pimpolari, D McManus, N Ge, R Ionescu, J A Wittkopf, A Alieva, G Basso, M Macucci, G Iannaccone, K S Novoselov, H Holder, G Fiori, C Casiraghi, **ACS Nano**, 13, 54 (2018) [57]
- (4) Flexible, print-in-place 1D–2D thin-film transistors using aerosol jet printing, S Lu, JA Cardenas, R Worsley, NX Williams, JB Andrews, C Casiraghi, A Frankin, **ACS nano** 13 (10), 11263 (2019) [64]
- (5) Water-based and biocompatible 2D crystal inks for all-inkjet-printed heterostructures, D McManus, S Vranic, F Withers, V Sanchez-Romaguera, M Macucci, H Yang, R Sorrentino, K Parvez, SK Son, G Iannaccone, K Kostarelos, G Fiori, C Casiraghi, **Nature Nanotech.** 12, 343 (2017) [365]
- (6) Heterostructures produced from nanosheet-based inks, F Withers, H Yang, L Britnell, AP Rooney, E Lewis, A Felten, CR Woods, V Sanchez Romaguera, T Georgiou, A Eckmann, YJ Kim, SG Yeates, SJ Haigh, AK Geim, KS Novoselov, C Casiraghi, **Nano Letts.** 14 (7), 3987 (2014) [128]
- (7) Probing the nature of defects in graphene by Raman spectroscopy, A Eckmann, A Felten, A Mishchenko, L Britnell, R Krupke, KS Novoselov, Cinzia Casiraghi, **Nano letters** 12 (8), 3925 (2012) [1678]
- (8) Raman spectroscopy of graphene and bilayer under biaxial strain: bubbles and balloons, J Zabel, RR Nair, A Ott, T Georgiou, AK Geim, KS Novoselov, C Casiraghi, **Nano letters** 12 (2), 617 (2012) [475]
- (9) Raman Modes of MoS<sub>2</sub> Used as Fingerprint of van der Waals Interactions in 2-D Crystal-Based Heterostructures, KG Zhou, F Withers, Y Cao, S Hu, G Yu, C Casiraghi **ACS nano** 8 (10), 9914 (2014) [167]
- (10) Strong light-matter interactions in heterostructures of atomically thin films, L Britnell, RM Ribeiro, A Eckmann, R Jalil, BD Belle, A Mishchenko, Y-J Kim, Roman V Gorbachev, Thanasis Georgiou, Sergei V Morozov, Alexander N Grigorenko, Andre K Geim, Cinzia Casiraghi, AH Castro Neto, Konstantin S Novoselov, **Science** 340 (6138), 1311 (2013) [2318]