



## Prof. Andrea Di Cicco

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### EDUCATION AND PRESENT POSITION

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Laurea in Physics cum laude (University of Rome "La Sapienza") 1987.  
PhD in Physics (University of Rome "La Sapienza") 1988-1991.  
Researcher (1990) and Professor (since 2000) at the University of Camerino (UniCam).  
Since 2016 Full Professor and head of the Physics division at Unicam.

### SCIENTIFIC PROFILE

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The main research activity since 1990 was devoted to the development, interpretation and multi-disciplinary applications of x-ray techniques in studying materials of interest for basic and applied sciences. In the last 15 years he has been engaged in research about matter under extreme or transient conditions and on functional materials for energy applications. Both research lines have been financed at national and international level and scientific results have been published on high-impact journals. He published as main author or co-author more than **250** publications on international journals, cited more than **9000** times in the literature. Current *h*-index is **48** (Scopus) or **51** (Google Scholar). He is presently included in the "top italian scientist" list of the Virtual Italian Academy. Invited speaker at several international conferences and referee for many scientific journals. Chairman of the XAFS14 and LAM14 international conferences, he is co-editor of 3 books of proceedings, one EPJ Special Topic issue and 1 book about the advanced G<sub>n</sub>XAS multiple-scattering method. He has been, several times, invited scientist at synchrotron radiation facilities like SSRL, ESRF, and invited professor at University of Paris-Sud (XI), UPMC (Paris VI, international chair), Rennes. He has been chairman of the Italian Synchrotron Radiation Society and president of the International X-ray Absorption Society (IXAS). He has been awarded in August 2015 of the "outstanding achievement award" (Stern prize) of the International X-ray Absorption Society IXAS. He is responsible of the Physics Division at the University of Camerino, coordinator of the studies in Physics and leads the scientific activity of the XAS group.

### RECENT ACTIVE PROJECTS

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- -National PRIN project E-ICES "Probing the Exotic properties of gas and ions filled ICES under extreme conditions: from planetary interiors modelling to hydrogen storage and green Energy applications", 2023-2025 grant 2022NRBLPT (UniCam, UniRm1, UniAq, and CNR).
- -PNRR Project VITALITY ECS00000041 "Innovation, digitalisation and sustainability for the diffused economy in Central Italy", spoke 9 "Nanostructured materials and devices" (UniPg, CNR, private companies), 2023-2025 grant.
- -PNRR Project NQSTI "National Quantum Science and Technology Institute", spoke 5 "Electron-based platform for quantum technologies" (University of Pisa, CNR), 2023-2025 grant.
- -PNRR CREA-SUD "Advanced and sustainable low and high temperature reversible cells: Unified research and development of innovative concepts, materials, and designs" (UniCal, CNR, prov. companies), 2024-2026 grant.

### MENTORING AND POSITIONS OF RESPONSIBILITY

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- **Teaching/mentoring** University of Camerino, PMC Paris (F), Stanford (USA) *1992-present*  
120 hours/year teaching at bachelor/master/PhD level in Physics, 40 bachelor and master thesis students, 15 Ph. D. students, 20 Post-doc researchers
- **Director of the Physics Dept./Division @ UniCam** *2014-present*  
responsible of the technical and laboratory resources of the Physics Division
- **President of international Scientific Societies IXAS** *2006-2009*  
<https://xrayabsorption.org/> - The International X-ray Absorption Society
- **President of national Scientific Societies SILS** *2015-2020*  
<https://www.lucedisincrotrone.it/> - Società italiana luce di sincrotrone

Camerino, 9th June 2025

*Andrea Di Cicco*