

Personal details

Name Abdelmoez Ahmed Mohammed Ahmed Hussein
Date of Birth 1st Jan 1987
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Education

- **July 2007** **Bachelor degree in physics, Faculty of science, Sohag University, Egypt.**
- **Aug 2009** **One year pre-Master courses, Faculty of science, Sohag University, Egypt.**
Preliminary study in (basics of solid state physics physics)
Strong background in (semiconductors & solid state physics)
Required background in (crystal growth)
- **March 2013** **Master degree in material science, Faculty of science, Sohag University, Egypt.**
Thesis title "Structural and electrical properties of Nickel doped $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ compound"
- **Current position** **PhD student in Physics department in Oviedo University, Spain**
I will have the PhD defense in few days (2nd March 2017).

Linguistic skills

- Reading, writing and speaking English language very well
- TOEFL test score 69

Experiences

- 2008-2015** **Physics department, Faculty of Science, Sohag University**
Demonstrator
- Staff member in solid state physics research Lab.
 - Responsible for optics physics Lab for undergraduates.
 - Responsible for solid state physics Lab for undergraduates.
 - Teaching the experimental physics for undergraduate students.
 - Participated in scientific trip for two weeks in Aluminum factory in Egypt.
- 2015 up to now** **In Physics department, Faculty of science, Oviedo University, Spain**
- Researcher in the group of Magnetic Materials and Nanomaterials.

Missions and Projects

- International summer school in JINR about the "Neutron physics and its application in material science and nuclear physics" , Dubna, Russia 2010.
- Researcher in a project entitled " *Fabrication spin valves based manganites for technological applications*", in semiconductors lab, Sohag university Grant No 3002, Sohag University, Sohag, Egypt 2012-2014.
- Researcher in a project " Magnetic Nanowire and 3D arrays in advanced technology", Physics department, Oviedo University, March 2015 up to now.
- Researcher in a project " Magnetic materials and Nanomaterials" the Grupin14-085 project, Oviedo University, Spain from 2015 up to now.
- Short work visit to *Applied Physics I Laboratory*, Department of Physics and Materials University of País Vasco UPV/EHU, San Sebastián-Donostia. 18 - 28 May 2015.
- Short work visit to Catalonia Polytechnique University UPC, Barcelona 10 - 16 January 2016.
- Short work visit to Applied Physics I Laboratory, Department of Physics and Materials University of País Vasco UPV/EHU, San Sebastián-Donostia. 8 - 14 May 2016.
- Short work visit to Biological chemistry and Materials center (CIQUS), University of Santiago de Compostela. Preparation manganites thin films and multilayers using the PLD, 4 -15 July 2016.

Conferences

- Work shop in material science in Sohag university in Egypt (I), 2009.
- Work shop in material science in Sohag university in Egypt (II), 2009.
- International conference in new horizons in basic and applied science 21-23 September, Hurgada, Egypt 2013.
- International conference of superconductivity and magnetism, Izmir, Turkey, 2013.
- RTNSA conference, Palacio Barrena, Ordizia (Gipuzkoa), 30 June-3 July, Spain, 2015.
- DINEMN conference, Donostia, san sebastian , 1-4 Septemper, Spain, 2015.
- SCTs conference, Zaragoza, 11-15 April, Spain, 2016.
- ICSM conference, Fethiye, 24-30 April, Turkey, 2016.
- Congreso Nacional De Materiales, Gijon, 8-10 June, Spain 2016.
- Sol-SKYMAG, San Sebastian (Gipuzkoa), 26-30 June,Spain 2016.

- ESRF 27th conference, Grenoble , 6-8 February, France 2017.
- Accepted presented paper in INTERMAG 2017 conference, Dublin, 24-27-April, Ireland, 2017.

Publications

- 1- A. M. Ahmed, M. A. Abedellateef, H. A. Abd El-Ghanny, and **Abd El Mo'ez A. Mohamed**, Phys. Status Solidi A 212 (2015) 623. "Enhanced low field magnetoresistance of $\text{La}_{0.7}\text{Sr}_{0.3}\text{Mn}_{1-x}\text{Ni}_x\text{O}_3$ compounds by annealing process"
- 2- A. M. Ahmed, H F Mohamed, A K Diab, **Abd El Moez A Mohamed**, A E A Mazen and A. M. Mohamed, Indian J. Phys. 89 (2015) 561. "Enhanced electro-magnetic properties in $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3/\text{ZrO}_2$ composites"
- 3- Ahmed Mohamed Ahmed, **Abd El-Moez Ahmed Mohamed**, Medhat Abdelrady Abdellateef, Hassan Ahmed Abd El-Ghanny, Rare Met. 35 (2016) 551. "*Magnetoresistive properties of Ni-doped $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ manganites*",
- 4- **Abd El-Moez A. Mohamed**, V. Vega, M. Ipatov, A. M. Ahmed, B Hernando, J. Alloy Compd. 657 (2016) 495. "Magnetoresistive and magnetocaloric response of manganite/insulator system".
- 5- **Abd El-Moez A. Mohamed**, V. Vega, M. Ipatov, A. M. Ahmed, B Hernando, J. Alloy Compd. 665 (2016) 394. "Annealing temperature effect on magnetic and magnetocaloric properties of manganites".
- 6- **Abd El-Moez A. Mohamed**, A. M. Ahmed, B Hernando, Solid state Commun. 233 (2016) 15-17. "Magnetocaloric-transport properties correlation in doped manganites".
- 7- **Abd El-Moez A. Mohamed**, B Hernando, Phys. lett. A. 380 (2016) 1763. "The expected low field magnetocaloric effect of $\text{La}_{0.7}\text{Ba}_{0.3}\text{MnO}_3$ manganite at room temperature.
- 8- **Abd El-Moez A. Mohamed**, Mohamed A. Mohamed, V. Vega, B. Hernando and A. M. Ahmed, RSC Advances 6 (2016) 77284. "Tuning magnetoresistive and magnetocaloric properties via grain boundaries engineering in granular manganites.
- 9- Abd El-Moez A. Mohamed, B. Hernando, A. M. Ahmed, J. Alloy Compd. 692 (2017)381. "Magnetic, magnetocaloric and thermoelectric properties of Nickel doped manganites.

- 10- A. M. Ahmed, **Abd El-Moez A. Mohamed**, H. F. Mohamed, A. K. Diab, Aml M. Mohamed and A. E. A. Mazen, Low Temp. Phys. 42, (2016) 745. "The annealing influence onto the electrical and magnetic behavior of magnetoresistive/insulator system"
- 11- **Abd El-Moez A. Mohamed**, B. Hernando, M. E. Díaz-García, J. Alloy Compd 695 (2017) 2645. " Room temperature magneto-transport properties of $\text{La}_{0.7}\text{Ba}_{0.3}\text{MnO}_3$ manganite"