

CURRICULUM VITAE

Aymen Hamid



Personal Information:

Home Address: 51 st. 1 Kadaro, Bahry, Khartoum-Sudan

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Date of Birth: 3rd November 1982

Nationality: Sudanese

Marital Status: *Single*

Spoken Languages: *Arabic (native), English (fluent).*

Education History:

Jan. 2007- Nov. 2007... *University of Cape Town(UCT) Faculty of Science, Department of Applied Mathematics, National Astrophysics and Space Science Program(NASSP), Honors in Astrophysics and Space Science.*

2001.2006 *University of Khartoum (U of K) Faculty of Science Bsc. in physics with honors*

1994-2000 *Bahry Primary School, Omer I. Alazeez Secondary School*

Prospective Education:

Fall 2008-Fall 2009 *The Abdus Salam International Center for Theoretical Physics, Pre-Doctorate Level Diploma Program in High Energy Physics*

2013-2016 *PhD. In Applied mathematics and Astrophysics, Univerty of Kwazulu-Natal, Durban, South Africa*

Titles and Awards:

June 2006 *Top Ranking Student Award given for highest academic record in Physics U of K.*

The Minister of Higher Education Prize for young scientists.

<i>Jan. 2007-Nov. 2007</i>	<i>Full scholarship student status at University of Cape Town for one year(honors degree) (NASSP)</i>
<i>Feb. 2008 – Aug. 2008</i>	<i>Full scholarship student status at University of Cape Town (MSc. degree) (NASSP)</i>
<i>Aug. 2008-Aug 2009</i>	<i>Full Scholarship given by the ICTP to attend the Diploma program in High Energy Physics.</i>

Academic Experience:

- *Assistantship in the physics laboratory's at University of Khartoum (2005-2006)*
- *Permanent job at University of Khartoum, Faculty of Science, Department of physics(2006-) as teaching assistant.*
- *Joining the Cosmology Group at University of Cape Town, and the Observational Cosmology Group*
- *. Permanent job at University of Khartoum, Faculty of Science, Department of physics(2006-) as lecturer.*
- *Teaching the following courses: Mathematical Methods (linear algebra), Thermodynamics 3rd year, Mathematical Methods (special functions) 4th year, Tensors and introduction to relativity 5th year at the physics department University of Khartoum 2009-2010.*
- *Working as exam officer at the department 2009-2010.*
- *Joining the Astrophysics and Cosmology Research Unit (ACRU) at the University of Kwazulu-Natal, Durban, South Africa for PhD 2013-2016.*
- *Permanent job at University of Khartoum, Faculty of Science, Department of physics(2006-) as Assistant professor.*

Research Experience:

- 2005: U of K fulfillment research to Honors Degree with Dr. Omer I. Eid (Head of physics department), Titled “Measuring the Radio Activity of some samples using Induced Laser Florescence”*
- 2007: UCT fulfillment research to Honors Degree with Prof. Bruce A. Bassett (UCT, South African Astronomical Observatory SAAO), Titled “What is the Maximum Curvature of the Universe?”*
- 2007 : working on the Observational Cosmology Group Projects.*
- 2008: ICTP fulfillment research to Diploma Degree with prof. Paolo cereminelli, Titled “Inflation and Cosmological Perturbations”*
- 2013-16: Publishing four papers in top ranking journal for the PhD project, and three under progress.*

Conferences and Workshops:

- July 2007: South African Institute of Physics(SAIP) conference.*
July 2008: Workshop in Modified Gravity at the ICG (Institute of Cosmology and Gravitation) University of Portsmouth.
Aug. 2008: JEDI2 workshop for cosmology at UCT(Cape Town).
June 2009: Workshop on Eternal inflation.
June 2009: Workshop on Particle Physics.
Nov 2014: South African Gravity Society meeting (SAGS), Capetown, South Africa.
July 2015: South African Gravity Society meeting (SAGS), Gramstown, South Africa.
July 2015: Marcell Grossman meeting for gravity, Rome, Italy.
May 2016: South African Gravity Society meeting (SAGS), Duban, South Africa.

Computer Skills:

All Microsoft Applications, FORTRAN, MATLAB, Mathematica, LaTeX.