

VITA

George Wesley Hitt

Current Address:

Coastal Carolina University
Department of Physics and Engineering Science
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Current Positions:

- Department Chair, (August 2020 – present)
Department of Physics and Engineering Science
Coastal Carolina University
- Associate Professor of Engineering, (August 2021 – present)
Department of Physics and Engineering Science
Coastal Carolina University

Previous Positions:

- Assistant Professor of Engineering, (August 2017 – August 2020)
Department of Physics and Engineering Science
Coastal Carolina University
- Visiting Associate Professor, (Jan 2017 – August 2017)
Department of Mechanical and Nuclear Engineering
Virginia Commonwealth University
- Associate Professor of Physics, jointly appointed with (June 2015 – December 2016)
Department of Nuclear Engineering and
Department of Applied Mathematics & Sciences
Khalifa University, Abu Dhabi, United Arab Emirates
- Assistant Professor of Physics, Khalifa University, jointly with (April 2013 – June 2015)
Department of Nuclear Engineering (November 2011 – June 2015),
Dept. of Applied Mathematics & Sciences
- Assistant Professor of Physics, Khalifa University (August 2009 – November 2011)
Department of General Studies,
- Postdoctoral Scholar, (December 2008 – July 2009)
National Superconducting Cyclotron Laboratory
Michigan State University, East Lansing MI

Education:

Ph.D. Physics Michigan State University, East Lansing, USA, 2009
M.Sc. Physics Michigan State University, East Lansing, USA, 2005
B.Sc. Physics Virginia Commonwealth University, Richmond, USA, 2003.

Professional Certifications & Licensures:

Engineer-in-Training (E.I.T.) – South Carolina Cert. No.# 21481 – 9/23/2021

Professional References:

(available upon request)

Honors and Awards:

Winner, NASA Challenge: Reducing Galactic Cosmic Rays to Enable Long Duration Deep Space Human Exploration, National Aeronautics and Space Administration (NASA), 2014

Inaugural Faculty Teaching Award, Khalifa University, Abu Dhabi, 2011

Founding Faculty, Department of Applied Mathematics & Sciences, Khalifa University, 2011

Best Paper Award, IEEE GCC 2011 Conference & Exhibition, Dubai, UAE, 2011

Founding Faculty, Khalifa University, 2009

Sherwood Haynes Award, Best Doctoral Dissertation of the Year, Michigan State University, Department of Physics & Astronomy, 2009

Doctoral Dissertation Fellowship Award, The Graduate School, Michigan State University, 2008

Outstanding Teaching Assistant of the Year, Michigan State University, Department of Physics & Astronomy, 2004

Undergraduate Service Award, Virginia Commonwealth University, Department of Physics, 2002

Select Recent Publications:

“The Impact of Neutron Transfer Reactions on the Heating and Cooling of Accreted Neutron Star Crusts”, H. Schatz, Z. Meisel, E.F. Brown, S.S. Gupta, **G.W. Hitt**, W.R. Hix, R. Jain, R. Lau, P. Möller, W.-J. Ong, P.S. Shternin, Y. Xu, M. Wiescher

The Astrophysical Journal 925 (2), 205 (2022).

[doi: <https://doi.org/10.3847/1538-4357/ac4271>].

“Memsens: Memristor-based radiation sensor”, H. Abunahla, B. Mohammad, L. Mahmoud, M. Darweesh, M. Alhawari, M. Abi Jaoude and **G. W. Hitt**

IEEE Sensors Journal 18, 3198-3205 (2018).

[doi: <https://doi.org/10.1109/JSEN.2018.2808285>]

“Measuring radioactive half-lives via statistical sampling in practice”, G Lorusso, SM Collins, K Jagan, **G.W. Hitt**, AM Sadek, PM Aitken-Smith, D Bridi, JD Keightley

European Physics Letters 120, 22001 (2018).

[doi: <https://doi.org/10.1209/0295-5075/120/22001>]