

## Curriculum Vitae

*Michael Walter Hannawald, PhD*  
*Kauai Community College*  
*3-1901 Kaunuaui Highway*  
*Lihu'e, HI 96766*  
*8082458250*  
*mwh@hawaii.edu*

### **Education**

- 10 / **90** – 10 / **95**     *Study of Physics*  
Focus on Nuclear Chemistry and Astrophysics  
University of Mainz, Germany
- 04 / **96** – 05 / **97**     *Diploma Thesis: “Nuclear Spectroscopy of very neutron-rich Mn Isotopes” - Important elements in the astrophysical r-process path.*  
Institute for Nuclear Chemistry, University of Mainz, Germany
- 05 / **97** – 04 / **00**     *Dr.rer.nat. in Nuclear Physics*  
*Thesis: “Nuclear Spectroscopy of N ~ 40 and N ~ 82 Nuclides“*  
- Important elements in the astrophysical r-process path.  
Institute for Nuclear Chemistry, University of Mainz, Germany

### **Professional Experience**

- 01 / **11** – **present**     *Instructor Chemistry and Physics*  
Kauai Community College, Lihue
- 08 / **09** – 08 / **10**     *Senior Postdoctoral Researcher*  
University of Hawaii, Department of Physics, Honolulu
- 05 / **07** – 08 / **09**     *Research Engineer*  
Centre d'Études Nucléaires de Saclay, France
- 10 / **04** – 03 / **05**     *Lecturer*  
Department of Physics, University of Hawaii, Hilo
- 10 / **03** – 10 / **06**     *Postdoctoral Research Fellow*  
Subaru Telescope, National Astronomical Observatory of Japan,  
Hilo, Hawaii

04 / 00 – 12 / 02      *Postdoctoral Researcher*  
Institute for Nuclear Chemistry, University of Mainz, Germany

05 / 97 – 03 / 00      *Research Assistant*  
Institute for Nuclear Chemistry, University of Mainz, Germany

### **Courses Taught**

*CHEM151*      Survey of Chemistry  
*CHEM151L*      Survey of Chemistry Laboratory  
*CHEM161*      General Chemistry  
*CHEM161L*      General Chemistry Laboratory  
*PHYS151*      College Physics I  
*PHYS151L*      College Physics I Laboratory  
*PHYS152*      College Physics II  
*PHYS152L*      College Physics II Laboratory  
*PHYS170*      University Physics I  
*PHYS170L*      University Physics I Laboratory  
*PHYS272*      University Physics II  
*PHYS272L*      University Physics II Laboratory  
*ASTR110*      Survey of Astronomy

### **Research and Publications**

*“Edelweiss” an experiment for the direct detection of dark matter (WIMP)*  
Grenoble-Orsay-Lyon-Paris-Karlsruhe-Dubna

*“The First Stars and the Origin of the Elements”*  
Copenhagen-Paris-Montpellier-Lund-ESO-Mainz-Trieste-Basel

*“Neutron-rich silver isotopes produced by a chemically selective laser ion-source: test of the r-process “Waiting-Point” concept“*  
Mainz-Troitsk-Harvard-Maryland-CERN

*“Beta-Decay study of very neutron-rich Cd isotopes with a chemically selective laser ion source“*  
Mainz-Maryland-Michigan State-Oslo-Troitsk-Studsvik-Stuttgart-CERN

*“Decay study for the very neutron-rich Sn nuclides,  
<sup>135-140</sup>Sn separated by selective laser ionization“*  
Mainz-Troitsk-Maryland-Michigan State-Oslo-Notre Dame-Studsvik- CERN

*Active participation in experiments using the facilities:*

- ◆ ISOLDE at CERN, Geneva, Switzerland
- ◆ IGISOL Jyväskylä, Finland
- ◆ LOHENGRIN at ILL, Grenoble, France
- ◆ LSM, Modane, France
- ◆ VERY LARGE TELESCOPE, Chile
- ◆ SUBARU TELESCOPE, Hawaii

**Service**

*College Committees I served during the past two years:*

- Learning Center Committee (2011- 2016)
- Christmas Party Committee (2011)
- ITAC (2011-2017)
- Science Olympiad, KCC liaison (2011-2017)
- Commencement Committee (2013-2017), 2014 & 2015 as Co-Chair
- Engineering Consortium (2011-2013)
- Science Fair (2011 – 2017)
- Cognition Learning Center (2011-2017)
- Advisory Faculty, International Club (2011 – 2017)

**Professional Activities**

Oct. 2011, "Networking Conference for Educational Collaboration 2011 (NCEC).

April 2012, "Computational & Modeling Tools for Introductory Physics" (CMTP)

May/June 2012 Ethnomathematics Summer Institute

Dec. 2012, participating in the "Networking Conference for Educational Collaboration 2012 (NCEC).

June 20 -22, 2013 Workshop "Laboratory Tools for Introductory Physics" (LTIP)

September 19<sup>th</sup>, 2014, Hawai'i **S**TEM **E**ducation **A**ssets and **R**esources **C**learing**h**ouse (**SEARCH**) Symposium

September 30<sup>th</sup>, 2016 , Hawai'i STEM Summit