

Irakli Martashvili

Personal Information

- Date of Birth: 13 March 1984
- Place of Birth: Tbilisi, Georgia

Profile

Trained professional with almost two decades of experience in translation and interpreting

Languages

English (fluent), Russian (fluent), Georgian (native), French (Elementary), Japanese (elementary)

Education

[2008 - 2014] University of Tennessee Knoxville, TN, USA

Doctor of Philosophy Degree in Physics

[2005 – 2007] Tbilisi State University Tbilisi, Georgia

Master's Degree in Physics

[2001 - 2005] Tbilisi State University Tbilisi, Georgia

Bachelor's Academic Degree in Physics and Mathematics

Professional experience

Since 2000

English language tour guide and host. Freelance translator, interpreter and project manager. Experience with translating close to 90 million source words from and to English. Experienced with CAT tools and graphical design/web development software.

SDL Trados, SDLX, Wordfast, MemoQ, Unify.

Since January 2015

Medical Physicist at EVEX Medical Corporation

Research experience

2009 - 2014

Graduate Research Assistant at University of Tennessee, Knoxville, TN

Working on EMCal (Electromagnetic Calorimeter) in ALICE experiment

2006

Summer student

Photo Injector Test Facility (PITZ), DESY in Zeuthen, Germany

2001 – 2007

Research Assistant

Applied Nuclear Physics Laboratory of Tbilisi State University

Teaching Experience

2014 – Current

Physics Educator at Chaglar International School of Tbilisi, Tbilisi, Georgia

Teaching Math, Physics classes, SAT test preparation

January 2008 - August 2010

Graduate Teaching Assistant at University of Tennessee, Knoxville, TN

- Physics 231 - Electricity and Magnetism for Undergraduate engineering students
- Physics 221 - Electricity and Magnetism for undergraduate pre-med students

Duties included supervision of lab sessions, assisting and mentoring students in experimentation techniques, grading lab reports and conducting recitation sessions for undergraduate students

Professional memberships

Since May 2011

Member of Physics Students Honor Society (Sigma Pi Sigma)

University of Tennessee Chapter

2003 – 2004

Vice - Chairman

Undergraduate and graduate students' scientific society of Physics Faculty (Tbilisi State University)

2001 – 2003

Council member

Undergraduate and graduate students' scientific society of Physics Faculty (Tbilisi State University)

Abstracts and presentations

2014 Savannah International Trade and Convention Center Savannah, GA

American Physics Society April Meeting

Title: "Measurement of heavy flavor decay electrons in proton-proton collisions at $\sqrt{s}=7$ TeV"

2011 University of Tennessee Knoxville, TN

Nuclear Physics Seminar at Physics Department

Title: "Open heavy flavor quark measurements in the ALICE experiment at LHC"

2007 Tbilisi State University Tbilisi, Georgia

INTAS workshop on nonlinear dynamics in Tbilisi

Title: "Nonlinear generalized equation for vortex transfer and its exact solutions"

2007 Tbilisi State University Tbilisi, Georgia

Master's thesis defense

Thesis: "Determination of the isotopic ratios for several elements and about models of element formation in space"

2006 DESY laboratory Zeuthen, Germany

Final presentations of completed project

Title: "Optimizing the Laser Pulse Shape"

2003 Tbilisi State University Tbilisi, Georgia

TSU English Scientific conference for undergraduate and graduate students

Title: "Measuring Li isotope ratio for proving the accuracy of the big bang theory"

2002 Tbilisi State University Tbilisi, Georgia

65th Annual Scientific conference for undergraduate and graduate students

Topic: "Investigating the ecological damage to the Mashavera river"

2001 Tbilisi State University Tbilisi, Georgia

OSGF Student Scientific conference for undergraduate and graduate students

Topic: “Radon as earthquake precursor”

Relevant publications

- “ALICE EMCAL Physics Performance Report”, arXiv:1008.0413v1. Participated in obtaining results concerning analysis for heavy flavor decay electrons.
- “Performance of prototypes for the ALICE electromagnetic calorimeter,” Nuclear Inst. and Methods in Physics Research A 615 (2010) 6-13. Participated in EMCAL prototype module testbeam analysis and investigated position resolution capabilities for EMCAL.

Extracurricular activities

2005 - Summer school “Volga 17”, Kazan, Russia

Author, blogger and developer of science blog and portal in Georgia. Voted in past as #1 science blog for general public and top 5 blog in Georgian overall by viewers.

Awards

2010 - Physics Colloquium student award at University of Tennessee

2001 - OSGF Student Scientific conference award for exceptional research