

## **Bio-CV: Prof. Roger H. Kadala**

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**Professor Kadala** holds **graduate** degrees in Physics (PhD-2011, MS-2001) from the University of Hawaii, Mathematics (MS-1974, ABD-PhD) & Engineering (ME-EE-1972) from New York University, Law(1983) from the Universidad Catolica Andres Bello Caracas and Applied Mathematics (ABDScD-1978) from the Universidad Central de Venezuela.

He has been teaching at the University level, both graduate and undergraduate, since 1972 in universities worldwide, University of Texas at Dallas (2022 - ) Lecturer (Physics); Hawaii Pacific University,(1987- ) Asst.Professor (1992-2014), Senior Lecturer (2014-); University of Hawaii system, (1991- 2017 retired); Universidad Central de Venezuela, (1972, 1974-82); Universidad Metropolitana Caracas, (1974-76); Universidad Catolica Andres Bello, (1972). He teaches courses in mathematics, physics & astronomy, computer science, engineering and international business.

A former jet pilot, with over 11,000 jet flight hours, in DC-10, DC-8, Lear, Gulfstream and Citation aircraft, including several years of flight status in Air Force One aircraft for various world leaders outside the US.

An active waterman, having successfully completed numerous Ironman Triathlons (1983-1992), and several individual Molokai Channel crossings (1994-97,2000), and competing in open ocean paddleboard races.

Management experience as continental area manager for flag carrier airline (VIASA), and executive director for import-export corporations worldwide.

Currently his interests are in Number Theory, Operator Theory & Quantum Mechanics, Quantum Computing. Research papers in Supersymmetry published in EPJC-(08/2008) and SUSY-2011. Number Theory Seminar presenting original RK Theorem in March 2018.on “Necessary Conditions for the Sum of Squares of Integers” (not published)

Graduate/Professional credits completed:

University of Hawaii (Physics, Mathematics, Astronomy, Oceanography & Meteorology – 252 cr.),

New York University (Mathematics-72 cr., Engineering-36 cr.),

Universidad Central de Venezuela (Applied Mathematics-36 cr.),

Universidad Catolica Andres Bello(Law-72cr)

Taught over 2000 credits, undergraduate/graduate in Mathematics, Physics, Astronomy, Engineering and International Business.

Courses taught in the last seven years include:

Complex Analysis, Differential Equations, Linear Algebra, Discrete Mathematics & Group Theory, Number Theory, Probability & Statistics, Real Analysis, Vector Calculus, Integral/Differential Calculus, Pre-Calculus, Mathematics of Cryptography, Modern Physics, University Physics, College Physics, Survey of Astronomy, Evolution of the Universe, Algorithms, Assembly Language, Quantum Computing, Electric Circuits, Engineering Dynamics, Methods of Applied Mathematics, Business Statistics, Mathematics for Decision Making, College Algebra

## **Curriculum Vitae listing of Academic and Professional experience:**

### **Academic:**

University of Hawaii: From spring-1991 to Fall-2011 includes graduate credits obtained in Physics, Astronomy, Mathematics, Oceanography and Meteorology, continuously, 6 credits/semester, with the following degrees awarded:

PhD in Physics, in Supersymmetry (12/2011).

MS in Physics (08/2001).

Universidad Catolica Andres Bello (UCAB), Caracas: Fall-1974 to Spring=1979, Law studies, degree awarded:

Abogado (Attorney) in 1983. (\*) discrepancy in dates explained below in expanded addendum.

Universidad Central de Venezuela (UCV), Caracas: Fall-1974- Fall-1978, doctoral studies in Applied Mathematics(Theoretical Mechanics). Completed requirements for ScD but could not defend thesis as explained below (\*\*).

New York University:

College of Arts and Sciences: from Fall-1971 to Summer-1974, graduate studies in Mathematics at the Courant Institute of Mathematical Sciences (CIMS), completed all requirements for PhD except for dissertation., with following degree awarded:

M.S. In Mathematics (06/1974)

School of Engineering and Science: from Fall-1967 to Spring-1971, studies in Electrical Engineering with following degrees awarded:

M.E. in E.E. (02/1972)

B.E. in E.E. (02/1971)

High School:

Colegio Americano (1966-67), Colegio San Agustin (1965-66): completed 2 years of HS in Venezuelan system, which required an additional year, so I did not graduate.

Miami Military Academy (1963-65): completed 9<sup>th</sup> and 10<sup>th</sup> grades, which is why I only did 2 more years in Venezuela before attending NYU.

### **Professional:**

University of Texas at Dallas (2022 - ) Lecturer in Physics

Hawaii Pacific University (1987- ): Assistant Professor of Mathematics until 2015, currently a Senior Lecturer., teaching all levels of undergraduate in Mathematics, and also Physics, Astronomy, Computer Science, Engineering. Also graduate courses in the MBA/CSIS programs.

University of Hawaii system: (1991- ) Lecturer in Mathematics, Physics and Astronomy.

Martinair-Holland (1988-89): DC-10 flight crew, flying cargo/pax worldwide, based in Amsterdam.

VIASA Airlines (1978-87): DC-8, DC-10 flight crew, DC-8 Air Force One flight crew (1980-81) with tours to OPEC countries (Algiers, Lybia, UAE, Iraq, Qatar, Kuwait, Saudi Arabia) and to (Vienna,Paris,Nice,Strasbourg). Also, Area Manager for North USA and Canada.

Corporate Pilot (1976-84): flying as Captain, several jet aircraft. Over 11,000+ jet flight hours total between Martinair, Viasa and corporate..

UCV (1972;1974-1980): Profesor Agregado (between Asst. and Assoc.) teaching both graduate and undergraduate courses in Mathematics.

