

Hau Fung Moy, PhD.



E-mail: hau.moykwan@slcc.edu

Professor and Manager in a Computer Science Department

Successful professional Energetic, analytical with excellent development and programming skills in C++, Pascal, Visual Basic, Delphi, FORTRAN, Java and more than 16 years of combined experience. Algorithm Development, Problem Resolution, Team Building, Leadership. Understand diversified learning needs of students and aid in development and implementation of technology projects designed to create positive results in individuals and groups. Continually promote use of advanced technologies in daily activities and employ exceptional knowledge to develop and implement instructional classroom applications, and learning measurement tools. Effective researcher with ability to review and select new teaching materials and technologies with focus on qualitative and quantitative elements as well as return on investment. Trilingual in English and Spanish also Speak Chinese Cantonese.

OTHER CORE COMPETENCIES:

Problem solving * Computer Application * Mobile Telecommunications * Communication *Leadership * Professionalism * Project Manager * Programming * Self Motivate *Teaching *Training * Team Building.

EDUCATION

- ⌘ **Ph.D. In Educational Of Sciences.** University Dr. Rafael Beloso Chacin, Maracaibo, Venezuela.
- ⌘ **Master Of Science In Telematic.** .University Dr. Rafael Beloso Chacin, Maracaibo, Venezuela
- ⌘ **Bachelor Of Science In Computer Engineering.** University Dr. Rafael Beloso Chacin, Maracaibo, Venezuela.
- ⌘ **Informatic Technician.I.U.T.** Pedro Emilio Coll College.
- ⌘ **Utah Teacher Professional License(6-12) Spanish, and Educational Technology Endorsements**

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PROFESSIONAL EXPERIENCE

Salt Lake City Community College

Aug 2018- Current

Assistant Professor

Computer Sciences & Information Systems

Teach courses of: Computer Architecture, Algorithm & Data Structure, Fundamentals of Computer Sciences, Introduction to Networking.

Services:

College:

JAM Committees. Computer Sciences & Information System. School of Business.

Bytes & Brillians Committees, Community Engagement

Panelist at @CSforALL- Salt Lake City,Utah. 2019. Innovative Approaches to Engaging and Including Girls in CS

Community Outreach :

Technolochicas, Ambassador.

Conexion Latina

Asociacion Venezolana en Utah.

Spanish Teacher.

Feb-2018

Wasatch Junior High.

Teach Courses of Flex Spanish and Spanish I.

Spanish Teacher.

Oct- 2017

American Academy of Innovation.

Teach Courses of Spanish I and Spanish II.

Paraeducator.

Woodrow Wilson Elementary

March 2017- 2018

The main functions are assist teachers in the classroom, supervise students outside of the classroom, or provide administrative support for teaching.

Work primarily or exclusively with students from first grade to sixth Grade who have special educational needs.

Professor and Manager of Computer Science Department
University Of Zulia, Venezuela

March 2006 - 2016

The main management functions are to supervise, organize and oversee the operations and plans of the University of Zulia Computer Science Department.

- Develop, revise, and implement course outlines, instructional materials and syllabi.
- Participate in curriculum and instructional design including the development of short-term intensive classes.

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- Make and maintain contacts with industry to assess current training needs in the telecommunications, technologies and computer science field.
- Attend regularly scheduled meetings and accept committee assignments.
- Advise students on program and course requirements and maintain regularly scheduled consultation hours.
- Demonstrate professional commitment to Division, and University mission and values.
- Maintain a supportive attitude toward work, students, colleagues and administration, and with people of diverse backgrounds.
- Pursue professional development activities to maintain currency in the telecommunications, technologies and computer science field.
- Participate in ongoing Department activities such as lab maintenance, scheduling classes, and outreach efforts.
- Effectively prepare and teach Programming Class courses.
- Supervise seven faculty members in the Computer Science department.
- Determine and create the information technology goals of the computer science department faculty and implement the necessary and appropriate computer systems to meet those goals.
- Teach in theory class the fundamentals of programming such as algorithms and their representation techniques: flowchart and pseudo language.
- Teach the following programming courses in lab: Fortran, C ++ and Pascal
- Restructured student attitudes regarding purpose and use of technology in classroom.
- Inspired students to integrate technology into daily classroom activities.
- Taught Integrating Technology in the Classroom.
- Researched new and innovative applications and theories on Programming.

***Professor of Engineering Department . Electronic, Computer and Telecommunications
September 2003 – December 2008***

University Dr. Rafael Belloso Chacín, Venezuela

Professor of Network Telecommunications and Mobile Communications

The courses and subjects taught were:

- The Fundamentals, Evolution of Mobile Communications Technologies (AMPS, NAMPS, IS-136,IS-95,GSM, GPRS,EDGE,UMTS), Networks designs and Services.
- Mobile Radio Signaling Fundamentals.
- Mobile Spectrum Use, Management and Availability.

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- Mobile Standards Organizations.
- Mobile Network Technologies, Architectures, Generations & Standards;
- Mobile Applications & Services.
- Mobile Terminals & Phones.
- New Alternative Mobile Voice and Data Networks.
- Analysis of the Mobile Market and Key Carriers, Network Operators & Resellers.
- Examining The Future of Mobile Communications.
- **Academic and Researching Committee member. Faculty of Engineering**
- **Academic project tutor.**
- **Professor, Telecommunication Department September 2004 – April 2009**
National Experimental Polytechnic University of The National Armed Forces,
Venezuela

Professor of Programming, Calculus I, Geometry, Network Telecommunications and Mobile Communications.

Database And Programming Analyst March 2000 – March 2005
Infonet C.A. Telephone Company, Venezuela

- Assisted in the planning, design and implementation of the Common Database (Access and SQL).
- Assisted in the analysis and design activities associated with the development and maintenance of the Common Database.
- Designed and developed the Billing System data base.
- Design and developed an application to analyze the Billing System data using visual basic and Borland C++.
- Design and developed an application to analyze the data volume generated by phone calls on the system.

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Operation Engineer

June 1999 – March 2000

Atel Trading C.A. , Venezuela

- The main responsibilities were:
 - Programming and maintenance of Nokia two-way radios
 - Installation (hardware and software) and maintenance of the computer network.
 - Design and develop applications to analyze communications and system data using Delphi and Pascal.
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RESEARCHS AND PUBLICATIONS

- Moy Hau & Carrillo Ali. “**Integration Of The Technology Gprs In Gsm Network**”. **Telematique**. Vol.8, No.1, March.2009.
 - Carrillo Ali & Moy Hau Fung. “**Didactic Model For Significant Learning In Control Systems**”. **Redhecs**. Vol.4. No.7, May 2009.
 - Carrillo Ali & Moy Hau Fung. “**Integration Evolution Data Optimized (Evdo) In Venezuela’s Mobile Network**”. **Unermb**.Vol.3. No.1. December,2011.
 - **Phd. Thesis Research: “Didactic Model For Significant Learning In Programming”. 2009**
 - Leyda Alvarez, Hau Fung Moy&Ali Carrillo. “**From Traditional Training To The Mediation Learning Process In Higher Education Curriculum**. **Telos**. Vol.11. No.2. June,2009.
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SCHOLARLY PRODUCTIVITY:

- Voice, video and data telecommunications platform for an integral remote security system. Case: MP Ingenieria Zuliana, C.A.
- Multimedia system with broadcasting operation mode through satellite networks.
- Voice over Internet protocol (IP) system for PSTN services (Public Switch Telephone Network), in Maracaibo
- Automatic vehicle location (AVL) based on a trunked radiocommunication platform.
- WLAN wireless network based on WI-FI technology for the city of Maracaibo.
- Architecture for the integration of voice over IP in a wireless local area network.

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- Integration for third-generation EDGE technology in the GSM networks of Maracaibo
- Wireless network to improve internet services based on WIFI technologies for the autonomous municipality Valmore Rodriguez
- Wired communication interface for radio transmitters
- Wireless communication network based on the LMDS technology to provide multiple services in the parishes of Coquivacoa and Juana de Avila of Maracaibo Municipality.
- Wireless network for the control of pumps in the Mirabello farm
- Wireless network for public telephone service based on GSM technology in the city of Maracaibo
- Optimization of the wireless telephone system case: Model Plant of the Polar brewery
- Wireless network for the fixed telephony service based on GSM technology for the city of Maracaibo
- WAN network for the interconnection of seven branches Saba Mendoza, Caja Seca, Cumanacoa, Caripe, San Antonio, CAicara and Maracaibo for T.V Cable.COM C.A.
- Prototype of data transmission through the EDACS technology platform for the Movitel Company.
- WAN network with support in video conferentation for the interconnection of the Cabimas-Maracaibo branches of the electrical and industrial construction company C.A. (CEICA)
- Optimization of the optical fiber ring of the data network for the increase of bandwidth. Case: Procedatos.
- Module Transmission and reception simulator using the modulation technique of a PCM system (Codified Pulse Modulation).
- Integration of Evolution Data Optimized technology (EVDO) to the IS-95 platform
- Network of locating people using GPS positioning based on the mobile phone platform
- Data monitoring and transmission system for intake modules in gas compressor plants
- Integration of a management and monitoring system based on microwave links for the control of the PDVSA West network
- Integration of the management and monitoring center of the packaging network under the HMI platform of Rockwell Automation. Case: Polar
- Migration of analogue to digital technologies of the trunking radiocommunication system of a telecommunications company
- Integration model of the Voice over IP technology with the base to the GSM platform for the city of Maracaibo.
- Integration of new services to the EVDO technology based on the IS-95 platform in the city of Maracaibo, Zulia State.
- Integration of new value-added services to Tetra technology based on the GSM network of Maracaibo

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- Optimization of the Local network with WAN support for the interconnection between the different departments of the mayor Jesus Enrique Lossada
 - Integration of the Evolution Data Optimized (EVDO) technology to the IS-136 platform.
 - Migration of the platform IS-95 to GSM
 - Graphical interface for the visualization of alarms and events in the base stations of the trunked radio communications system. Case: Procedatos S.A.
 - Wireless communication interface between RS 232 serial devices based on Bluetooth technology
 - Wireless RS232 serial data interface for Telemetry purposes
 - Private communication network for the interaction of branches. Case: PSINCA
 - WLAN community network using Bluetooth technology
 - Broadband network for Internet services at the residential level using Motorola's Canopy technology.
 - Cell phone network based on third generation UMTS technology for the city of Maracaibo
 - Digital communication system through microwave link between the Department of Informatics and the System for mining optimizations. Case: Carbones de la Guajira, S.A
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MEMBERSHIP

- **PROGRAMA DE ESTÍMULO A LA INVESTIGACIÓN(PEI).RNII.v-12256127-0109-2013. VENEZUELA**
 - **IEEE Member of Utah Section. Member Number: 95688439**
 - **ACM Member. Member Number: 7945955**
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NOMINATION

- **Nominated for the Teaching Excellence Award. Salt Lake City Community College. 2018**
- **Nominated for the Teaching Excellence Award. Salt Lake City Community College. 2019**

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REFERENCES

- **Jon McGowan**

Job Title: Salt Lake City Community College Associate Dean. CSIS.

Phone: 801-613-8118

Email: jon.mcgowan@slcc.edu

- **Gustavo Ibarra**

Job Title: Salt Lake City Community College Professor. Lifetime Activities Center

Phone: 801-957-4511

Email: Gustavo111948@gmail.com

- **Pedro Romero**

Job Title: Miami Dade College Professor

Phone: 786-623-8516

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