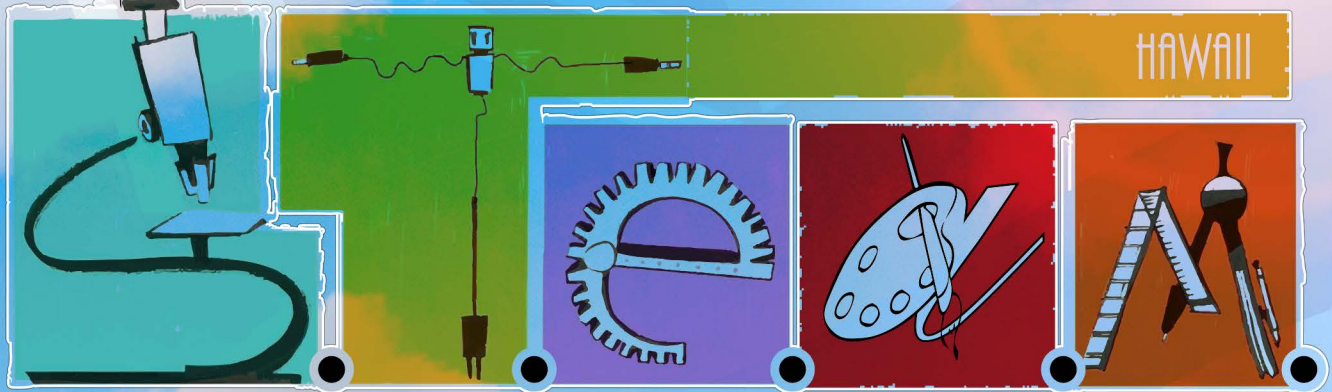


2015

JUNE 13, 14 & 15



SCIENCE | TECHNOLOGY | ENGINEERING | ARTS | MATH | EDUCATION

KEYNOTE SPEAKER

DEAN CHARLES SASAKI



UNIVERSITY of HAWAII®

KAPI'OLANI
COMMUNITY COLLEGE



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FOR MINORITY PARTICIPATION

HOWARD
UNIVERSITY

KEYNOTE SPEAKER – DEAN CHARLES SASAKI

“INDIGENOUS KNOWLEDGE AND A HAWAIIAN PLACE OF LEARNING FOR STEM”

Saturday, June 13 – Garden Lanai Ballroom

7:30 - 8:00 am



Charles Sasaki is Dean of Arts and Sciences at Kapi‘olani Community College. In that role, he manages the single largest academic unit in the University of Hawai‘i Community Colleges. Sasaki oversees the work of over 200 faculty who teach college-level courses designed for university transfer as well as the core general education curriculum for all vocational programs.

Sasaki has twice served as a Fulbright Fellow and has consulted for several colleges and universities on curricular transformation and the assessment of learning outcomes. He has particular interest in higher education models which meet the needs of Asian & Pacific Islanders as well as underprepared and economically disadvantaged students.

Prior to joining KCC, Sasaki served as Associate Vice President of Student Affairs at Hawai‘i Pacific University, Founding Associate Dean for the liberal arts at Cascadia Community College in Washington state, and Chief Diversity Officer in the Seattle Community Colleges. He earned tenure teaching History and Sociology and was awarded his college’s Distinguished Teaching Award in 1996.

Welcome Address

Aloha and welcome to the annual STEAM Education Conference held in the Ala Moana Hotel in the island of Oahu. We trust that you will gain new experiences and new insights in your field of study while interacting with your peers. This is an exciting opportunity to meet with educators from different universities throughout the nation and throughout the world. They bring with them a wealth of knowledge and experiences in their particular disciplines to share with each and every one.

We hope you enjoy your stay with our host, the Ala Moana Hotel, a prime location in the Ala Moana

area of Honolulu offering a wide variety of shops and attractions. The famous Waikiki Beach and prime restaurants are close by for your convenience. Be sure to check with the hotel's activity desk for all the latest adventures and tours to make your trip to these islands a memorable experience.

The Islands of Hawaii offer a very unique experience for all people who visit to gain a better understanding of the Hawaiian culture and its spirit only found in this islands. Enjoy some of the best weather and beaches found anywhere in the world, and take your experiences home with you to return another day.

E' Komo Mai!

(All are Welcome!)

Please visit our website for more details on the next conference.

www.huichawaii.org

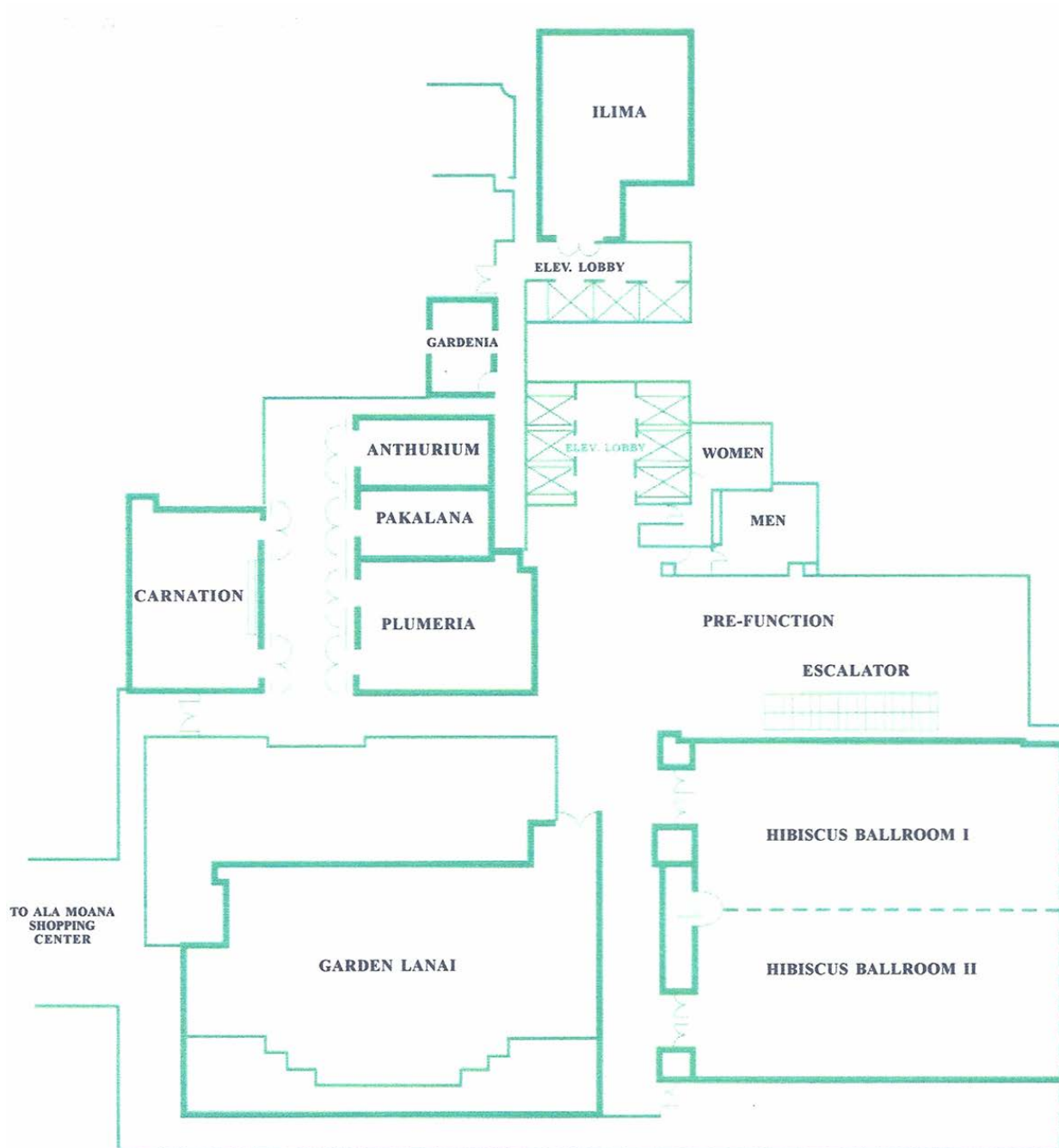
stem@huichawaii.org

artshumanities@huichawaii.org

education@huichawaii.org

Contact Number: 1- 808-537-6500

Ala Moana Hotel: Floor Plan (2nd Floor)



Conference Schedule

REGISTRATION HOURS – 2ND FLOOR

June 12 - Friday	1:00 pm - 7:00 pm
June 13 - Saturday	6:30 am - 5:00 pm
June 14 - Sunday	6:30 am - 5:00 pm
June 15 - Monday	6:30 am - 12:00 pm

HAWAIIAN STEEL GUITAR OPENING PRESENTATION

June 13, Saturday 6:30 am – 8:00 am, Garden Lanai Ballroom

KEYNOTE SPEAKER ADDRESS

June 13, Saturday 7:30 am – 8:00 am, Garden Lanai Ballroom

Dean Charles Sasaki

Arts and Sciences at Kapi'olani Community College

4U - UKELELE QUARTET PERFORMANCE

June 14, Sunday 7:30 am – 8:00 am, Garden Lanai Ballroom

CONCURRENT SESSIONS TIME:

8:15 am – 9:45 am* 10:00 am – 11:30 am * 12:45 pm - - 2:45 pm* 2:30 pm – 4:00 pm* 4:15 – 5:45 pm*

POSTER EXHIBITS

11:00 am – 12:30 pm, Garden Lanai Ballroom

BREAKFAST/APPRECIATION BRUNCH - BALLROOM

(Complimentary)

June 13 - Saturday	6:30 am – 8:30 am
June 14 - Sunday	6:30 am – 8:30 am
June 15 – Monday (Brunch)	10:30 am – 12:30 pm

TEA BREAK

Saturday and Sunday - 10:30 am – 12:30 pm/ 2:30 pm – 4:30 pm

Monday 7:30 am – 9:30 am

LUNCH BREAK

11:30 am - 12:30 pm (Lunch is not provided)

INSTRUCTIONS FOR SESSION CHAIRS

- Introductions of Participants
- Start and complete sessions on time
- Chair leads the discussions and hold question and answer period at end of session



Day 1

Saturday - June 13, 2015

Hawaiian Steel Guitar - Performance

Saturday, June 13 – Garden Lanai Ballroom
6:30 am – 8:00 am

HSGA

Hawaiian Steel Guitar Association

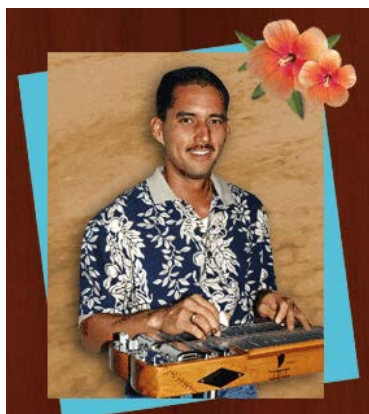
Mr. Kamaka Tom
Hawaii, Secretary Treasurer



The Hawaiian Steel Guitar Association is a worldwide organization promoting traditional Hawaiian music and the signature sound of Hawaiian steel guitar.

Our site contains information for HSGA members and for non-members who wish to learn about and listen to the beautiful music of the Hawaiian steel guitar.

We welcome you and encourage you to explore HSGA. If you enjoy your experience here, please let us know. We are always looking for new friends and new members.



HSGA President Paul Kim

Saturday – June 13, 2015

Room: Carnation
Time: 8:15 am - 9:45 am
Workshop: Education Technology; Teacher Education,
Curriculum Research and Development; Educational Foundations

I. Secondary Curriculum in Practice: Developing with an Integrated Approach

This presentation will enable secondary practitioners to develop integrated curriculum and write across curriculum, considering secondary endorsement areas, best practices, and effective teaching strategies in reaching all levels of learners. Presenters will also share strategies for integrating students with exceptionalities, character education, assessment, collaboration, and technology.

Author/Presenter: Dr. Andrea P. Beam
School of Education
Liberty University

Author/Presenter: Mr. Christopher Amos
School of Education
Liberty University

Author/Presenter: Ms. Elyse C. Pinkie
School of Education
Liberty University



Continued on next page

II. Creating Video-based Lectures for Flipped Classrooms

Flipping a classroom often demands that instructors possess skills related to video production, involving a time commitment that can discourage teachers from experimenting with this innovative technique. This workshop covers the scope of producing video-based training by exploring ideas for planning and scripting movies, and offers examples of inexpensive recording equipment and software, followed by a demonstration of editing tools and options for distributing the final content to students.

Author/Presenter: Mr. Garrick Chow
Senior Staff Author
Lynda.com



Saturday – June 13, 2015

Room: Plumeria
Time: 8:15 am - 9:45 am
Session: Architecture, Social Science, Indigenous ways
of knowing and teaching in diverse classrooms.
Session Chair: Dr. Jane Yan Fang Teng

I. New Model on Disaster Preparedness

The paper highlights a new Model on Disaster Preparedness based on an investigation from the Tsunami in Aceh. The model presented six important domains as preparedness is found to be the key of the most possible strategy in natural disasters.

Author/Presenter: Dr. Jane Yan Fang Teng
Department of Management & Leadership,
Faculty of Management & Economics
Sultan Idris Education University, Malaysia

Author/Presenter: Dr. Qismullah Yusof
Department of Educational Studies,
Faculty of Education & Human Development
Sultan Idris Education University, Malaysia

Author/Presenter: Ms. Thuraiya Zakaria
Department of Management & Leadership,
Faculty of Management & Economics
Sultan Idris Education University, Malaysia

Continued on next page

II. Artistic Sustainability in Architecture

The best measures for the environmental improvement of the city involve not only sustainability meant as balance between ecology and biological systems (however desirable at global scale), but we must also focus on the possibility in architecture to improve the research about artistic sustainability. Creativity is a specific capability of humans and the relationship between creativity and architecture is present right from the early stages of the design process regardless of the scale.

Author/Presenter: Ms. Francesca Serri, Architect
BULLETTI Design Bureau, Italy

Author/Presenter: Prof. Architect Paolo Buletti
BULLETTI Design Bureau, Italy

III. A Braided Perspective on the Ecology of Indigenous Pedagogy

I think it is important to introduce myself and introduce the place I occupy on this beautifully complex earth. I want to acknowledge all Coast Salish Nations of Musqueam, Tsleli-Waututh and Squamish on whose traditional territories I live, love and work on. Although I did not grow up on Squamish territory there is a magnet that resides deep in the depths of my belly which pulls me back to my people, my culture and my language. My identity is a hyphenated complexity, which I slowly grew into and am now proud of. Now let me introduce my family as to keep with circle protocol.

My great, great, great grandfather Rico and his wife Mercedes Cordocedo were from Chile. They were Chilean Nationalist who never left Chile. They had one son Benjamin Cordocedo Sr. who came over to Canada when he was nineteen years old. He married Katherine Komonik (Squamish Princess) whose great grandparents were from Hawaii. They had eleven children one of whom was my great great grandfather Benjamin Jr. who then married Harriet Lumley had seven children one of which is my grandfather Clarence John Baldo Cordocedo. John Cordocedo married my grandmother Dorothy Jean Prochuck who was half Ukrainian half German they then had three daughters the middle daughter Arlene Innes is my mother. My mother Arlene Cordocedo married William Selby Innes who is Canadian Scottish and they had three children myself the oldest Meagan Rene Innes followed Nicole Courtney Innes-Bradson and youngest Benjamin TC Otis Innes.

Author/Presenter: Ms. Meagan Innes
Faculty of Education
Simon Fraser University, Canada

Saturday – June 13, 2015

Room: Anthurium
Time: 10:00 am – 11:30 am
Session: Complementary and Alternative Medicine; Food Science and Human Nutrition, Management
Session Chair: Dr. Hsiao-Chih Chang

I. Understand Food Cure with Chinese Yin-Yang Theory

The traditional Yin-Yang theory is the Chinese way to understand and explain the natural world, including medicine, health, and food, etc. Food cure, to cure certain illnesses with food rather than medicine, is very common among the Chinese. The way food can cure some illnesses can be explained with the Yin-Yang theory. One example is why locally produced bee honey can cure pollen allergy. The Chinese Yin-Yang theory can provide an easy and straight forward explanation for the cure.

Author/Presenter: Dr. Hsiao-Chih Chang
Modern Languages and Comparative Literature
Boston University

II. Influences of Network Sciences on Food Industry: A Comparison of Local, Regional, and National Perspectives

This paper introduces and discusses the relationships between network sciences, marketing strategies, and impacts on local and regional food systems.

Author/Presenter: Dr. Kathleen Liang
Department of Community Development and Applied Economics
University of Vermont

Saturday – June 13, 2015

Room: Carnation
Time: 10:00 am – 11:30 am
Session: Industrial Engineering, Management, Technology & Science
Session Chair: Prof. Guangming Chen

I. Engaging Engineering Students in Systems Engineering Implementation in Software Defined Radio Technology Development

There is an increasing demand for systems engineers in this country, especially in aerospace industry and defense industry. This presentation will discuss our experience in engaging engineering students in serving the systems engineer role in software defined radio (SDR) technology development project at Morgan State University.

Author/Presenter: Prof. Guangming Chen
Department of Industrial and Systems Engineering
Morgan State University

Author/Presenter: Mr. Oluseye Soyombo
Department of Industrial and Systems Engineering
NAVIAR

Author/Presenter: Mr. Ali Saboonchi
Department of Industrial and Systems Engineering
School of Engineering, Morgan State University

Continued on next page

II. The Efficacy of Do-It-Yourself (DIY) Electrophoresis Equipment

Electrophoresis is a standard analytical tool that relies on the separation using an electrical field of molecules based on their differences in size, charge or conformation. It is used in laboratories, industry, and classrooms. With the increasing cost of lab equipment, certain potential users cannot afford the cost of the electrophoresis equipment pay the premium. Hence, may not go without these experiences. This research involves the testing of laboratory grade electrophoresis equipment against a do-it-yourself (DIY) version. The efficacy of the DIY version was tested to determine if samples would be processed in a similar manner by the DIY equipment. The DIY version processed the samples in the same manner as the research grade equipment at a tenth of the cost.

Author/Presenter: Dr. Uvetta Dozier
Bowie State University

Author/Presenter: Mr. Edward Neugent Jr.
Bowie State University

Author/Presenter: Ms. Tiara Askew
Bowie State University

III. Technology Learning with Non-technical Adults

CANCELLED

This workshop is oriented on involvement adults into mastering technology skills. Participants are invited to share their issues and ways of solving them.

Author/Presenter: Mrs. Olga Kryuchkova
Networking Academy LANIT
Russia

Saturday – June 13, 2015

Room: Plumeria
Time: 10:00 am – 11:30 am
Session: STEM, Literature, Mathematics, Higher Education
Session Chair: Prof. Carolyn Pinchback

I. Literacy Strategies for Inservice Teachers

The focus of this presentation will be literacy strategies that were presented to teachers (K -8) in a funded project that was administrated by the Arkansas Department of Education.

Author/Presenter: Prof. Carolyn Pinchback
Department of Mathematics
University of Central Arkansas
College of Natural Sciences and Mathematics

Author/Presenter: Dr. Shoudong Feng
College of Education
University of Central Arkansas

Author/Presenter: Dr. Uma Garimella
UCA STEM Institute
University of Central Arkansas

II. Learning with Images: Interest, Motivation, Achievement

This paper highlights the connections between interest and motivation theory and the use of images and multimedia in instruction, reporting on a pilot study in a two-unit information literacy course at a diverse state university. Results from a learning style preference survey, research logs, a rubric analysis of students' papers are presented and analyzed with a focus on how well students were able to understand alternative perspectives and evaluate evidence used in arguments.

Author/Presenter: Ms. Sharon Radcliff
University Libraries
California State University, East Bay

Continued on next page

III. Amalgamation in Philippine Higher Education: The Cordillera Administrative Region Association of State Universities and Colleges (CARASUC) Experience

Amalgamation of State Universities and Colleges (SUCs) is one of the reform initiatives of the Commission on Higher Education (CHED), Philippines aimed at strengthening Higher Education Institutions for better quality education in the country. This paper will share the on-going effort of SUCs in the Cordillera Administrative Region at implementing the reform.

Author/Presenter: Dr. Serafin L. Ngohayon
Ifugao State University, Philippines

Author/Presenter: Dr. Nancy Ann P. Gonzales
Ifugao State University, Philippines

IV. Are My Students "Potatoes" When I Teach?: Strengthening Instruction through Video Clips

Concepts are better retained when pupils are given opportunities to identify learning targets, participate in lessons, and self-reflect. Teachers can critique their own performance on whether or not they are providing these opportunities to their pupils (and will also perform better on a Teacher Performance Assessment) if they self-critique video clips of their lessons using an instrument developed by this researcher, which will be discussed in this presentation.

Author/Presenter: Dr. Kim McGarraugh Jones
Dept. of Ed. Foundations and Curriculum
Central Washington University



Poster Session

Saturday - June 13, 2015

Saturday – June 13, 2015

Room: Garden Lanai
Time: 11:30 am – 12:30 pm

1. Retention of Potential Pre-Service Teachers Beyond an Introductory Education Course by Personality Type

Higher Education; Teacher Education

An introductory education course is often a prerequisite for applying to Teacher Education programs; unfortunately, while taking this course, many students decide that the teaching profession is not a good career fit for them. Through current research, we desired to develop an understanding of the personality types that go into teaching, as well as those that do not, in order to better understand teacher candidates.

Author/Presenter: Ms. Elyse C. Pinkie
School of Education
Liberty University

Author/Presenter: Dr. Andrea P. Beam
Liberty University

Author/Presenter: Dr. Russ Yocum
Liberty University

Author/Presenter: Dr. Deanna L. Keith
Liberty University

Continued on next page

2. Hands-on Math Activities that Engage Girls in Math, Science and Art

Geometry; Mathematics Education; Inter-disciplinary Areas of Mathematics;
Math and Art

Since 2007 the presenter has led outreach programs and participated in other outreach activities that engage undergraduate math/math-ed majors and high school students. In this presentation various hands-on math engagement activities used throughout these years will be presented. Those hands-on activities show that math is fun, interesting, and exciting, and demonstrate that math is behind various applications in origami and art. In addition, feedback from participating students will be shared.

Author/Presenter: Dr. Violeta Vasilevska
Department of Mathematics
Utah Valley University

3. A Holistic Approach to Evaluation of Technology Effectiveness in Higher Education

Educational Measurement and Evaluation; Education Technology; Education Policy and Leadership, Information and Computer Sciences

A holistic evaluation framework offers a better understanding of educational technology effectiveness in higher education. The framework treats technology as a part of a larger educational system that includes learners and pedagogical context.

Author/Presenter: Dr. Waleed Saeed Afandi
Management Information System
King Abdulaziz University
Kingdom of Saudi Arabia

4. Forensic Locating of Methamphetamine Lab Sites Using Biochemical and Spectral Analysis of Associated Vegetation

Forensic Sciences; Natural Science; Inter-disciplinary Areas of Sciences

To determine if suspected methamphetamine lab sites can be found using remote sensing methods, spectral analysis of *Arabidopsis thaliana* with different concentrations of lithium (a lab waste by-product) was made. This could assist law enforcement in its interdiction efforts to locate such sites where this weed occurs using airborne devices (like drones) with multispectral scanners. Results showed discernible spectral response changes, supporting such a forensic surveillance approach.

Author/Presenter: Dr. Gary J. Cwick
Department of Physics & English, Physics
Southeast Missouri State University

Author/Presenter: Dr. Sheena R. Arink
Department of Chemistry
Southeast Missouri State University

Author/Presenter: Dr. Mathew P. Fasnacht
Department of Chemistry
Southeast Missouri State University

Author/Presenter: Dr. Lucinda Swatzell
Department of Biology
Southeast Missouri State University

5. **'BEYOND PERFECT' - Recording Techniques of Sam Phillips & LCP**

Creative Writing; Inter-disciplinary and other areas of Education, Performance; Music; Performing Arts; Drama, Film, TV & Other Media;

Beyond Perfect is an accompaniment to the (Author's) Performance Presentation entitled Perfect Enough. This Poster Presentation explores the recording techniques used by Sam Phillips in the heyday of Sun Records, and also showcases some of the techniques used in the recording and mixing of the Perfect Enough album.

Author/Presenter: Prof. Lee C. Payton
Sound for Cinema - Film & Video Department
Columbia College Chicago

6. **Isolation and Characterization of the Fatty Acid Composition of Egusi Melon (*Citrullus colocynthis*) Seed Oil by GCMS**

Chemistry

Isolation of the seed oil of egusi was carried out by pressing the dried seed and extracting with hexane. The fatty acid component was transformed to the methyl ester derivatives and characterized by GC/MS.

Author/Presenter: Ms. Apre Gleaves
Department of Chemistry
Howard University

Author/Presenter: Dr. Jonathan Onuegbu
Department of Comprehensive Science
Howard University

Author/Presenter: Prof. Oladapo Bakare
Department of Chemistry
Howard University

7. The Impact of A Partnership between Corporation and Post-secondary Institution to Promote Interest in STEM Education: The Lowcountry Perspective

Other Area Related to Sciences; Technology, Engineering and Mathematics

A case study involves an annual Trebuchet competition called ‘Storm The Citadel!’ through a partnership between Google and the Citadel to promote interest in STEM education in the Lowcountry of SC. Participants range from kindergarteners to seasoned professionals. Over 86% of the participants surveyed overwhelmingly agreed that the competition helped them learn more about STEM and problem solving. The competition also helped them learn how to function as a team and to communicate ideas.

Author/Presenter: Dr. Siripong Potisuk
Electrical and Computer Engineering Dept.
School of Engineering, The Citadel

8. Angiotensin II Hypertension Increases Urine Lipid Peroxidation, gp91phox Expression in the Heart and Kidneys of Peroxisome Proliferator-activated Receptor- α Knockout Mice.

Physiology

We tested the hypothesis that the absence of PPAR- α would increase NOX-4 and gp91phox expression and increase ROS in mice kidneys and hearts during Ang II hypertension.

Author/Presenter: Ms. Kellie Hunnicutt
Department of Physiology and Biophysics
Howard University College of Medicine

Author/Presenter: Dr. Joanne Allard
Department of Physiology and Biophysics
Howard University College of Medicine

Author/Presenter: Dr. Dexter L. Lee
Department of Physiology and Biophysics
Howard University College of Medicine

9. The Effects of Peroxisome Proliferator-activated Receptor- Alpha on T Lymphocytes, Total Circulating Leukocytes and T Cell Activation Marker during Angiotensin II Hypertension.

Physiology

We tested the hypothesis that CD3+, CD45+ and CD69 are increased in Ang II–treated PPAR- α KO mice when compared to Ang II-treated wild-type mice.

Author/Presenter: Ms. Shazzanne Pennant
Department of Physiology and Biophysics
Howard University College of Medicine

Author/Presenter: Dr. Dexter L. Lee
Department of Physiology and Biophysics
Howard University College of Medicine

10. Impact of Video Pre-lab Lectures on Student Lab Performance and Confidence in a Two-semester Organic Course

Higher Education, Chemistry

Pre-lab lectures for organic chemistry laboratory were video recorded, processed through Camtasia, and then posted to YouTube for student access. The videos include the usual information regarding chemistry and glassware set up with a complete model. The impact of these videos on student performance and confidence will be discussed.

Author/Presenter: Dr. Anthony Kiessling
Department of Chemistry and Physics
Mansfield University

11. Platelet-activating Factor (PAF) and Lung Inflammation: Effects of Hyperoxia

Biomedical Engineering and Technology, Cell and Molecular Biology

This translational research seeks to understand the relationship between pro-inflammatory mediator platelet-activating factor (PAF) and the damaging inflammatory effects of hyperoxia.

Author/Presenter: Ms. Alana Jones
WBHR – LSAMP Program
Howard University, University of Alabama-Birmingham

12. Growth of Graphene on 3C- SiC grown on 6H-SiC

Material science and Engineering, Nanotechnology

My research was aimed upon Growing 3C-SiC on a 6h-SiC substrate using Chemical Vapor Deposition. After that process is completed graphene was formed onto that substrate.

Author/Presenter: Mr. Anthony Brandon
WBHR – LSAMP Program
Howard University

Author/Presenter: Dr. Garry Harris
Howard University

13. Design of Computational Thinking Course for College Freshman in Residential Education

Curriculum, Research and Development; Education Technology

Since 2013, Yonsei University extended the higher education in Residential College at international campus, and students live in and interact with a diverse community. Up to now, computer education is narrowly focused on teaching the computer programming languages for mostly science & engineering students. Creativity and Problem solving skills is getting needed for everybody, and then we make it to broaden for all of the freshman year students.

Author/Presenter: Prof. JeongEun Nah
Yonsei University
South Korea

14. The Perception Behind Collaborative Learning through Art Classroom

Art Education; Visual Arts

Collaborative learning developed many years ago as an effective strategy that was used in a classroom environment. This proposal seeks to expand on some previous studies that emphasized the importance of collaborative learning in the math classroom. Thus, this study plans to fill a gap in examining how collaborative learning impacts students' perspectives and in develops their performance in visual art classrooms.

Author/Presenter: Mrs. Somya Alghamdi
Program Planning and Evaluation
Duquesne University

15. Artistic Sustainability in Architecture

Architecture

The best measures for the environmental improvement of the city involve not only sustainability meant as balance between ecology and biological systems (however desirable at global scale), but we must also focus on the possibility in architecture to improve the research about artistic sustainability. Creativity is a specific capability of humans and the relationship between creativity and architecture is present right from the early stages of the design process regardless of the scale.

Author/Presenter: Ms. Francesca Serri, Architect
BULLETTI Design Bureau, Italy

Author/Presenter: Prof. Paolo Buletti, Architect
BULLETTI Design Bureau, Italy

Saturday – June 13, 2015

Room: Carnation
Time: 12:45 pm – 2:15 pm
Workshop: Academic Advising and Counseling; Curriculum, Research and Development; Educational Administration; Higher Education, Embedded Technology; Partnership between Academia and Corporate World, Competency Based Learning Model

"LinkUp"

Rosamond High School's "LinkUp" program is the 2015 California Golden Bell Award Recipient. "LinkUP" is a multi-pronged approach to education which includes Expanded Career Technical Education, Online Education Options, Dual Enrollment and Articulated Course Options. Our collaborative partnership approach offers increased access and learning outcomes, as well as link student interest, skills, and abilities to programs that enable and support their college and/or career goals.

Author/Presenter: Mr. Harold Roney
Rosamond High School - Southern Kern Unified School District

Author/Presenter: Ms. Deborah Keys
Rosamond High School - Southern Kern Unified School District

Author/Presenter: Mr. Robert Jones
Rosamond High School - Southern Kern Unified School District

Author/Presenter: Ms. Jill Board
Cerro Coso Community College

Author/Presenter: Dr. Bonnie Suderman
Antelope Valley College



Saturday – June 13, 2015

Room: Carnation
Time: 12:45 pm – 2:15 pm
Session: Science Education; STEM Education, Mentorship, Partnerships and Stem Careers
Session Chair: Dr. Isha DeCoito

Changed to Room Pakalana

I. Gender Differences in STEM Career Aspirations Amongst Middle School Students

This presentation focuses on data collected as part of a larger longitudinal mixed-methods study exploring the impact of outreach workshops on students' attitude and interest in STEM education, and will highlight gender differences in STEM career aspirations amongst grade 6, 7 and 8 students.

Author/Presenter: Dr. Isha DeCoito
Faculty of Education
Western University

Author/Presenter: Ms. Stephanie Florence
Faculty of Education
York University

Author/Presenter: Ms. Alexandra MacDonald
Faculty of Education
Western University

II. Exploring the Role Mentorship in Supporting African-American Students Entry into Stem Careers

This presentation will share the findings of a paper that explored the role of mentorship in promoting African-American students' entry into STEM careers. Research shows that African-Americans students are disproportionately represented in STEM careers. Their underrepresentation often means that they are unable to fully access career and employment opportunities in STEM. Mentorship has been identified as an integral part of career development...

Author/Presenter: Dr. Charles C. Edwards
Department of School Psychology, Counseling and Leadership (SPCL)
City University of New York (CUNY)

Author/Presenter: Dr. Kaemanje S. Thomas
Department of School Psychology, Counseling and Leadership (SPCL)
City University of New York (CUNY)

Continued on next page

III. Pathway to the STARS ... A Summer Bridge Program on the Retention of STEM Students

The College of Science, Engineering, and Technology at Norfolk State University provides a series of services in an effort to enhance academic success, specifically the retention of students in STEM degree programs. This paper presents findings for the cohorts of students participating in the Summer Bridge Program. Information provided will include mathematics placement tests results, student performance in fall math classes, cohort retention rates, and overall retention rates from 2007-2012.

Author/Presenter: Ms. Zenora E. Spellman
College of Science, Engineering, and Technology
Norfolk State University

Author/Presenter: Dr. Michael O. Keeve
College of Science, Engineering, and Technology
Norfolk State University

Author/Presenter: Dr. Sandra J. Deloatch
College of Science, Engineering, and Technology
Norfolk State University

Saturday – June 13, 2015

Room: Anthurium
Time: 2:30 pm – 4:00 pm
Panel: Adult Education; Educational Psychology; Higher Education; Social Science, Anatomy; Physiology; Psychology, Psychology; Social Science

Education - Expectations, Myths and Sex

This panel will examine the myths and expectations students and instructors bring to psychology education, including general psychology and human sexuality classes.

Author/Presenter: Dr. Gail Gonzales
Psychology Department
Pima Community College

Author/Presenter: Dr. Carin Rubenstein
Psychology Department
Pima Community College



Saturday – June 13, 2015

Room: Plumeria
Time: 2:30 pm – 4:00 pm
Workshop: Higher Education; Science Education, Mathematics Education, Education Technology, Mathematics; Inter-disciplinary Areas of Sciences, mAlgebra; Pre-Algebra; Applied Maths; Computational Maths; Logic; Inter-disp. Areas of Mathematics

Increasing Mathematical Competence through ALEKS and the Five Strands of Mathematical Proficiency

We show that ALEKS learning objectives and the Five Strands of Mathematical Proficiency can have a significant effect on the learning outcomes of students enrolled in developmental mathematics courses at The Lincoln University. The performance of these students is compared with the previous five-year performance of students enrolled in developmental mathematics.

Author/Presenter: Dr. Claude Tameze
Department of Mathematics & Computer Science
The Lincoln University

Author/Presenter: Dr. Vesna Zeljkovic
Department of Physics & Chemistry
The Lincoln University

Author/Presenter: Dr. Abel Ayele
Department of Physics & Chemistry
Mathematics Learning Center (MLC)





Day 2

Sunday - June 14, 2015

4U – Ukelele Quartet

Sunday, June 14 – Garden Lanai Ballroom
7:30 am – 8:00 am

4U is a ukulele quartet from Honolulu, Hawaii. Four ukulele champions from different ukulele and talent competitions such as Duke's International Ukulele Contest and Brown Bags to Stardom Talent Contest. They started 4U in 2014 to share their love and passion for the ukulele. Featured in radio spots and regular events in Hawaii they also perform for community events and private parties all over Hawaii. All four play multiple instruments and play for their high school marching bands.

A unique combination of electrifying and serene performances that is result of their love for their music and the crowd, 4U is sure to amaze and excite the would-be listener on any occasion.



Sunday – June 14, 2015

Room: Anthurium
Time: 8:15 am – 9:45 am
Workshop: Math Education

I. Using Webb’s Depth of Knowledge to Reach 21st Century Skills Seen in the Common Core Mathematical Practices and Science and Engineering Practices in the Next Generation Science Standards to Create Cognitively Demanding Math and Science Tasks

This workshop will center on the use of Webb’s Depth of Knowledge (DOK) levels to assess the cognitive demand of mathematical tasks. Workshop participants will create and assess mathematical tasks in terms DOK levels and discuss the implications of Webb’s DOK on mathematics teacher in the era of Common Core State Standards and Next Generation Science Standards.

Author/Presenter: Dr. Anita Kreide
Center for Math and Science Teaching
Loyola Marymount University

Author/Presenter: Dr. Christina Eubanks-Turner
Mathematics
Loyola Marymount University



Continued on next page

II. From School to Prison: Rethinking Discipline Policies and Practices

The alarming suspension and expulsion rates among students of color and those with a history of abuse, neglect, trauma, and/or learning disabilities raise serious questions about zero-tolerance policies. Research on emotional intelligence, brain development, and trauma will be examined, and alternative approaches to discipline will be discussed.

Author/Presenter: Dr. Terri M. Pieretti
Dept. of Prevention and Intervention
Fresno Unified School District

Author/Presenter: Dr. Cathy A. Pohan
Dept. of Teacher Education
National University



Sunday – June 14, 2015

Room: Carnation
Time: 8:15 am – 9:45 am
Session: Anthropology, Women, Drama Film, Tv, Media
Session Chair: Prof. Kun Chen

I. Innovative Entrepreneurship in China: The Role of Transnational Chinese Professionals

My paper is an anthropological study of the cultural politics of building technological innovation in China. I focus on the role of transnational Chinese professionals in the information technology industry. The research tries to redefine innovation that is based on the assemblage of political optimization, economic rationality, and cultural relevance.

Author/Presenter: Prof. Kun Chen
Department of Geography and Anthropology
California State Polytechnic University, Pomona

II. "I am a Jew." Not entirely, Shylock

Was the racist anti-Jew theme in Shakespeare's play, The Merchant of Venice, meant to be fact or fiction?

Author/Presenter: Dr. Azra Daniel Francis
School of Dramatic Art
University of Windsor, Canada

III. Chilly Climate and the Adaptive Strategies of Korean STEM Major Students

This study examines Korean female college students' distress and their own adaptive strategies within male-dominant STEM majors. In pursuit of these questions, this study employed qualitative research methods, namely narrative inquiry, interviewing three South Korean female university students currently majoring in engineering. The results highlight how chilly climate of STEM major women contribute to interrupt their academic concentration.

Author/Presenter: Ms. Narae Seo
Department of Education
Yonsei University
South Korea

Sunday – June 14, 2015

Room: Carnation
Time: 10:00 am – 11:30 am
Workshop: Education Technology

CANCELLED

Technology Learning with Non-technical Adults

This paper raises the problems of involvement adults into mastering technology skills. Special focus is given to causes of obstacles on the way of learning technologies and possible ways of removing the obstacles.

Author/Presenter: Mrs. Olga Kryuchkova
Networking Academy LANIT, Russia

Author/Presenter: Mr. Punin Andrey
Networking Academy LANIT, Russia



Sunday – June 14, 2015

Room: Pakalana
Time: 10:00 am – 11:30 am
Session: Math Education, Geometry, Numbers Theory
Session Chair: Dr. Violeta Vasilevska

I Intersection of Math, Origami, Technology, and Art

A math-art project that includes explorations with GeoGebra software will be described. The presentation will display how art and technology can be integrated as an in or out of math class project. The project was used at a regional STEM conference for junior-high female students, but part of this project could be adapted to different college classes.

Author/Presenter: Dr. Violeta Vasilevska
Department of Mathematics
Utah Valley University

II. Pre-service Teachers' Development of Questioning Skills through Common Core Aligned Videotaped Math Lessons

This study documents the effects of video observation on the development of deep questioning skills of pre-service teachers in a mathematical content course for K-8 pre-service teachers. In particular, we examine the questioning strategies used by pre-service teachers in written responses related to Common Core aligned videotaped math lessons.

Author/Presenter: Dr. Christina Eubanks-Turner
Department of Mathematics
Loyola Marymount University

Author/Presenter: Dr. Anita Kreide
Center for Math and Science Teaching
Loyola Marymount University

Author/Presenter: Ms. Alyssa Tomlinson
Department of Mathematics
Loyola Marymount University

Continued on next page

III. Conquering Perfect Numbers Using the Tool of Finite Series

Mathematicians and non-mathematicians have been fascinated for centuries by the properties and patterns of numbers. They have noticed that some numbers are equal to the sum of all of their factors (not including the number itself). Such numbers are called perfect numbers. Thus a positive integer is called a perfect number if it is equal to the sum of its proper positive divisors. The search for perfect numbers began in ancient times.

Author/Presenter: Prof. Lemma Mulatu
Department of Mathematics
Savannah State University

Author/Presenter: Dr. Jonathan Lambright
Department of Mathematics
Savannah State University

Sunday – June 14, 2015

Room: Plumeria
Time: 10:00 am – 11:30 am
Session: STEM/Math, Science Education,
Technology & Engineering, STEM Needs
Session Chair: Prof. Carolyn Pinchback

I. Strategies for Enhancing Mathematical Content Knowledge

The focus of this presentation will be mathematical strategies that were presented to teachers (K -8) in a funded project that was administrated by the Arkansas Department of Education.

Author/Presenter: Prof. Carolyn Pinchback
College of Natural Sciences and Mathematics
University of Central Arkansas

Author/Presenter: Dr. Shoudong Feng
College of Education
University of Central Arkansas

Author/Presenter: Dr. Uma Garimella
UCA STEM Institute
University of Central Arkansas

II. Exploring Middle School Students' Attitudes and Interest in Mathematics, Technology, and Engineering Subjects

This presentation focuses on data collected as part of a larger longitudinal mixed-methods study exploring the impact of STEM outreach workshops, and will highlight gender differences in students' attitudes and interest in mathematics, technology, and engineering topics.

Author/Presenter: Dr. Isha DeCoito
Faculty of Education
Western University

Author/Presenter: Ms.. Stephanie Florence
Faculty of Education
York University

Author/Presenter: Ms. Alexandra MacDonald
Faculty of Education
Western University

Continued on next page

III. Effectiveness of In-Service Reliability in Aircrafts

The in-service reliability measures the unforeseen service interruptions due to technical failures and associated required maintenance. The types of interruptions can be described as below:

- Delay at takeoffs, departing later than scheduled time
- Mishandled baggage
- Flight cancellations
- Aircraft has to land at different airport than the scheduled ones (air diversions)
- Aircraft returns to departure airport (turn backs)

The improvements through in-service reliability in these aspects may not ensure 100% reliability, but they are still crucial steps to be taken for high-quality service.

Author/Presenter: Prof. Guangming Chen
Department of Industrial and Systems Engineering
Morgan State University

Author/Presenter: Mr. Seyed A. Zahraei
Department of Industrial and Systems Engineering
Morgan State University

Author/Presenter: Mr. Mahdi Alimardani
Department of Industrial and Systems Engineering
Morgan State University

Author/Presenter: Mr. Neelesh Kale
Praxair Electronics

IV. Meeting STEM Needs in Utah Valley

Utah Valley University provides quality academic opportunities to promote economic and cultural development. The UVU STEM steering committee's key role is the development and coordination of recruitment processes and innovative pathways for individuals to enter and remain current in STEM fields. Assessment of community STEM demands, methods of data gathering to address how well those needs are being met and suggested metrics for STEM strategic planning activities will be discussed.

Author/Presenter: Dr. Kathy Andrist
Department of Mathematics
Utah Valley University

Sunday – June 14, 2015

Room: Anthurium
Time: 12:45 pm – 2:15 pm
Session: Public Admin. Ed., Business Education, Language Edu. Arts, Literature
Session Chair: Dr. Kwame Badu Antwi-Boasiako

I. The (Un) Identical Twins: Public Administration and Public Management: Toward Improving Education and Training for Effective Governance in Ghana

The effect of education and training for public officials in Ghana.

Author/Presenter: Dr. Kwame Badu Antwi-Boasiako
Department of Government
Stephen F. Austin State University

II. Evaluating Impacts of Experiential Learning – The Case Study of Growing Vermont

This paper discusses and analyzes a student-run entrepreneurial venture at the University of Vermont by incorporating experiential learning and assessment.

Author/Presenter: Dr. Kathleen Liang
Department of Community Development and Applied Economics
University of Vermont

Author/Presenter: Dr. Chloé Wieland
Department of Community Development and Applied Economics
University of Vermont

III. Internships and Professional Diplomas for STEM Students (French)

This session will examine the outcomes of French for Specific Purposes courses offered to the students (Business French, Science and Technology, Medical). How do instructors build bridges between the different programs? How do they work on individual projects (such as internships abroad)? The Chamber of Commerce of Paris offers professional diplomas (Diplôme du Français Professionnel) to STEM students, how can we complement our teaching with these new professional components?

Author/Presenter: Dr. Audrey Viguiér
Department of Humanities
Michigan Technological University

Sunday – June 14, 2015

Room: Carnation
Time: 12:45 pm – 2:15 pm
Session: Performances; Music, Curriculum Creative Writing
Session Chair: Prof. Lee C. Payton

I. 'PERFECT ENOUGH' - Music from the 3rd Original LCP Studio CD

Perfect Enough is LCP's 3rd studio CD of original music. Performance presentation features songs from three albums plus new material. Brief discussion about the project, recording & editing techniques, and Q&A augment Performance. Perfect Enough is accompanied by Beyond Perfect - Poster Presentation exploring unique recording and mixing techniques.

Author/Presenter: Prof. Lee C. Payton
Sound for Cinema - Film & Video Department
Columbia College Chicago

II. A Model for Developing a Holistic Collegiate Curriculum for String Performance and Pedagogy

This paper provides a model for how to holistically integrate pedagogy into all aspects of the performance curriculum, so that string performance students are provided with the necessary tools to be both excellent performers and teachers, regardless of whether they ever take a pedagogy class.

Author/Presenter: Dr. Lucy Lewis
Music Department
California State University San Bernardino

Continued on next page

Sunday – June 14, 2015

Room: Pakalana
Time: 12:45 pm – 2:15 pm
Session: Math: Education, Number Theory
Session Chair: Dr. Russell W. Kincaid

I. Weighted Dice: A Study in Applications of Probability

Conventional dice were altered by the insertion of weights to create dice that do not behave according to the conventional rules of probability. The performance of these dice was then characterized by students in the classroom through several hundred experimental trials. Results from these student trials were combined into one large database. These results were then compared against theoretical calculations for one die rolls, two dice roll sums, and three dice roll sums for conventional dice.

Author/Presenter: Dr. Russell W. Kincaid
Mathematics Department
Wilmington College

II. Improving the Mathematical Content Knowledge of Pre-Service Middle School Teachers

The University of Notre Dame Australia's Fremantle campus offers aspiring middle school teachers a unit focused on improving mathematical content knowledge and proficiency. The students who completed the pre-unit surveys indicated a need to refresh and consolidate mathematical content knowledge. Post-unit surveys indicated overwhelmingly that the unit helped prepare students to become more confident, competent and knowledgeable in mathematical content.

Author/Presenter: Dr. Gregory Hine
School of Education
The University of Notre Dame Australia

III. The Double Angle Formula of the Mulatu Numbers

The Mulatu numbers were introduced in [1]. The numbers are sequences of numbers of the form: 4,1,5,6,11,17,28,45... The numbers have wonderful and amazing properties and patterns.

Author/Presenter: Prof. Lemma Mulatu
Department of Mathematics
Savannah State University

Author/Presenter: Dr. Jonathan Lambright
Department of Mathematics
Savannah State University

IV. An Error Estimator for Convection-Diffusion Equations

Adaptive algorithms, based on error estimators, are designed to improve the accuracy of the numerical solution of some partial differential equations while limiting the unavoidable resulting increase in the computational complexity to realistic levels.

An A Posteriori error estimator for convection diffusion equations, with mathematical analysis and computer implementation, is presented.

Author/Presenter: Dr. Mohamed Benbourenane
Dept. of Mathematics, Computer Science & Information Systems
California University of Pennsylvania

Sunday – June 14, 2015

Room: Plumeria
Time: 12:45 pm – 2:15 pm
Session: Science Edu/Natural Sc., Physiology, Environmental Sc.
Session Chair: Dr. Youmei Liu

I. Integrating Research in Course Design to Increase the Value of Technology Use in Student Learning

Integrating research into undergraduate course design sometimes is challenging, however the results can be very rewarding. This presentation will introduce a case study on how to integrate research activities in a geoscience course to help students gain research knowledge and skills, enhance their learning experiences so as to improve the overall quality of education. The research data will be presented to demonstrate this case study. This project was very successful and won NSF grant.

Author/Presenter: Dr. Youmei Liu
Dept. of Academic Affairs
University of Houston

Author/Presenter: Dr. Guoquan Wang
University of Houston

II. The Effects of Pediatric SIV on The Blood Brain Barrier

Pediatric HIV infection remains a global health crisis with an estimated 1,500 children under the age of 15 years becoming infected with HIV-1 each day in the developing world. Children are much more susceptible to HIV-1 neurological impairments than adults, possibly due to a viral/blood brain barrier interaction. We test the hypothesis that perinatal HIV infection down regulates the pericyte population leading to a compromised blood brain barrier.

Author/Presenter: Mr. Jerome Lawrence
WBHR – LSAMP Program
Howard University Medical School

Author/Presenter: Mr. Herman Kamboj
Howard University

Author/Presenter: Ms. Kristina Abel
University of North Carolina

Author/Presenter: Mr. Koen Van Rompey
University of California at Davis

Author/Presenter: Dr. Mark W. Burke
Physiology Department
Howard University Medical School

III. Acquiring Vapor Pressure Measurements Using an Enhanced Experimental System and Methodology

Vapor pressure (VP) is one of the most critical physical properties of volatile liquids. A number of methods are used to perform VP measurements, and they are relatively time consuming. An overview of the enhanced VP acquisition system and methodology developed in this work will be discussed.

Author/Presenter: Dr. Shawn M. Abernathy
HU-MARC Program
Howard University

Author/Presenter: Dr. Kelly Brown
HU-MARC Program
Howard University

Sunday – June 14, 2015

Room: Carnation
Time: 2:30 pm – 4:15 pm
Session: Workshop Performance
Session Chair: Prof. Ebonierose Wade

I. Microglia: A Possible Therapeutic Target for Alzheimer's Disease

This abstract demonstrates the experimental protocol used to elucidate the morphology and possible therapeutic functions of glial cells. Microglia are known to be involved in the neuroinflammatory process and may play a vital role in the neurodegenerative process as well.

Author/Presenter: Kelley Butler
Department of Physiology and Biophysics
Howard University College of Medicine

Author/Presenter: Dr. Mark Burke
Department of Physiology and Biophysics
Howard University College of Medicine

II. Antimicrobial and Cytotoxicity Study of Silver Chloride/ Poly (3-hydroxylbutyrate-co-3-hydroxylvalerate) (AgCl/PHBV) Film: A Potential Scaffold for Bone Tissue Regeneration

This experiment involves a chemical and biological study of the polymer Poly (3-hydroxylbutyrate-co-3-hydroxylvalerate) as an antimicrobial implant. This involves impregnating the polymer with Ag and looking at its response to bacteria as well as mammalian cells such as osteoblasts.

Author/Presenter: Ms. Lauren Wells
Department of Chemistry
Howard University

Author/Presenter: Dr. Rotimi Bakare
Department of Chemistry
Howard University

Author/Presenter: Dr. Dharmaraj Raghavan
Department of Chemistry
Howard University

Author/Presenter: Prof. Ebonierose Wade
WBHR – LSAMP Program
Howard University

Sunday – June 14, 2015

Room: Anthurium
Time: 2:30 pm – 4:00 pm
Panel: Curriculum, Research and Development; Educational Administration;
Higher Education

I. Flexibility in Time and Rigor in Curricula: Can We Have It All?

In time often described as perfect storm in higher education, many sources show that students are looking for time flexibility, and structure and clarity in course organization. Presenter will show an attempt to achieve both, creating a flexible schedule using variety of course deliveries such as (but not limited) online, hybrids and accelerated sequels of the different general education courses, and redesigning the technical math sequence in well-organized and smoothly connected curriculum.

Author/Presenter: Dr. Irina Chernikova
Applied General and Technical Studies
The University of Akron, Ohio

Moved to:

Day 1 (June 13), Page 22: Poster Presentation
Garden Lanai Ballroom 11:00 am – 12:30 pm

II. Lessons for Success: Active and Cooperative Learning in Science Classrooms

This paper examines the successes and challenges for both faculty and students associated with the implementation of cooperative learning in medium to large science classroom settings.

Author/Presenter: Dr. Sara Tallarovic
Department of Biology
University of the Incarnate Word

Author/Presenter: Brian McBurnett
Department of Chemistry
University of the Incarnate Word

Author/Presenter: Dr. Bonnie McCormick
Department of Biology
University of the Incarnate Word



Day 3

Monday - June 15, 2015

Monday – June 15, 2015

Room: Carnation
Time: 8:15 am – 9:45 am
Workshop: Business Education

Approaches to Helping Educators and Students Learn About Entrepreneurship

This workshop is designed for educators to exchange information, share experiences, and learn innovative strategies in teaching entrepreneurship across disciplines..

Author/Presenter: Dr. Kathleen Liang
Department of Community Development and Applied Economics
University of Vermont

Author/Presenter: Dr. Paul Dunn
Department of Community Development and Applied Economics
University of Vermont



Monday – June 15, 2015

Room: Pakalana
Time: 8:15 am – 9:45 am
Session: Maths: Number's Theory, Numerical Analysis
Session Chair: Dr. Lemma Mulatu

I. The Mathematical Beauty of Triangular Numbers

In this paper we investigate some important properties of triangular numbers. Some important results dealing with the mathematical concept of triangular numbers will be proved. We try our best to give short and readable proofs. Most of the results are supplemented with examples.

Author/Presenter: Dr. Lemma Mulatu
Department of Mathematics
Savannah State University

Author/Presenter: Dr. Jonathan Lambright
Department of Mathematics
Savannah State University

II. A Case Study (Missile Dynamics) of a Time-Varying System

Most of the control theory is developed around time-invariant systems where the state matrix A consists of scalars which are not functions of time. However, many physical systems are naturally modeled with the elements of the state matrix A depending on time. One example is the dynamics of a missile. Time-varying systems also arise when non-linear systems are linearized about a trajectory. In this work, the state-transition matrix is studied for time-varying systems in order to reach a general solution. The computational effort is significantly more complicated than the time-invariant case. There are many different methods in the literature for finding the state-transition matrix and one of them is adopted. Finally a case study of Missile Dynamics will be analyzed and simulated using MATLAB.

Author/Presenter: Dr. Spyros Andreou
Department of Engineering Technology
Savannah State University

Author/Presenter: Dr. Jonathan Lambright
Department of Engineering Technology
Savannah State University

Author/Presenter: Dr. Lemma Mulatu
Department of Engineering Technology
Savannah State University

Monday – June 15, 2015

Room: Plumeria
Time: 8:15 am – 9:45 am
Session: Education: Early Childhood; ESL/TESL, Indigenous
Session Chair: Dr. Jose Jr. Mejia Ocampo

I. Identification and Reduction of Children's Learning Difficulty and Their Misconstrued Misbehavior

The researcher identified that reading comprehension is the most common learning difficulty of grade I pupils. The learning difficulties in reading can be manifested through misconstrued misbehavior. To reduce the children's learning difficulty and their misconstrued misbehavior, other than organizing modified group activities according to skills, The Brain Gym program can be used as an alternative movement-based learning activity.

Author/Presenter: Dr. Jose Jr. Mejia Ocampo
Faculty of Education Sciences
Philippine Normal University
Philippines

II. Mini-Schools and Teaching in Diverse Classrooms

In this study I hope to explore what Indigenous education or Indigenous ways of knowing. I want to give examples of what this may look like, sound like and feel like in the broader context of classroom teaching. I want to explore the possibility of reshaping classroom instruction as to include a more holistic, more complete embodiment of what education can look like in relation to traditional ways of learning, more specifically traditional Squamish Nation ways of learning.

Author/Presenter: Ms. Meagan Innes
Faculty of Education
Simon Fraser University
Canada

III. The Development of Metal Complexes for Potential Anti- Cancer Drugs

Metal complexes has used since 16th century and it showed anti-tumor activity such as cis platinum. Also, the metal such as gold ,gallium, copper, Iron and Nickel has been reported to exhibits crucial antitumor activity in animals. In addition Imidazopyridetn(IMP) has been synthesized and evaluated on prostate cancer cells and it show anti proliferative activity on human prostate cancer cells. In our research we are used IMP as ligand to metal complexes by synthesize anew drug to enhancement IMP work .

Author/Presenter: Ms. Nadiyah Alshammari
Clark Atlanta University



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Acknowledgement

Hawaii University International Conferences would like to thank the following people who have made our 2015 STEAM Education (Science, Technology, Engineering, Arts and Math Education) conference a success!

Map courtesy of Hawaii Visitors & Convention Center

Keynote Speaker

We would like to thank **Dean Charles Sasaki** from the University of Hawai'i Kapi'olani Community College for sharing his knowledge and skills with us.

Hawaiian Steel Guitar Association

We would like to thank **Mr. Kamaka Tom** for the splendid introduction and music performance at the conference. His dedication to academic endeavors and sharing his knowledge and skills with us is greatly appreciated.

4U – Ukelele Quartet

We would like to thank **4U – Ukelele Quartet** for the unique and energetic performance, we are grateful for the time you have taken out of your busy schedule to join us at the conference!

Reviewers

We thank the dedicated professionals who reviewed the papers submitted by our conferees to be included in our programs for the conference proceedings. Your work is of the utmost importance to make sure those accepted meet the highest academic standards for presentation.

Dr. Elizabeth Whalley
Dr. Martha Day
Dr. Mary Lou Fritts
Dr. Suzanne Whitehead
Dr. Jane Teng Yan Fang

Dr. Chery McCarthy
Dr. Naima Shifa
Dr. David G. Lord
Prof. Lee C. Payton
Dr. Bob Slavin

The **HUIC Staff** would like to cordially invite you to participate in the growth and development of the conference by becoming a peer reviewer for our future conferences. If you are interested in becoming a peer reviewer please complete the form available at the registration desk indicating your topic of interest and specialization.

The Sessions Chair

Thanks to all of the Session Chairs for your guidance of the participants and presenters in each session to maximize the experiences of all the session attendees to convey the thoughts and new ideas each brings to our conference. All timely presentations are important to expand the overall knowledge offered from many perspectives.

Dr. Hsiao-Chih Chang
Dr. Isha DeCoito
Dr. Jane Yan Fang Teng
Dr. Jose Jr. Mejia Ocampo
Dr. Kwame Badu Antwi-Boasiako
Dr. Russell W. Kincaid
Dr. Violeta Vasilevska

Dr. Youmei Liu
Prof. Carolyn Pinchback
Prof. Guangming Chen
Prof. Kun Chen
Prof. Lemma Mulatu
Prof. Ebonierose Wade
Prof. Lee C. Payton

All Participants

We also want to thank each and every one who attended our conference for their contributions to the knowledge bases presented and the interactions of all attendees who generously shared their knowledge and experiences to enhance the conference experience for all who attended. We hope to see all of you back in Hawaii again one day in our continuing effort to bring those together in conferencing here in this magnificent environment as we look to the future of all educational efforts in all parts of the world!

Mahalo!

Ala Moana Hotel



410 Atkinson Drive in Honolulu, Hawaii

ADDENDUM

MOVED:

Day 2 (June 14), Page 45: Panel
Room Anthurium – 2:30pm – 4:00pm

I. **Flexibility in Time and Rigor in Curricula: Can We Have It All?**

In time often described as perfect storm in higher education, many sources show that students are looking for time flexibility, and structure and clarity in course organization. Presenter will show an attempt to achieve both, creating a flexible schedule using variety of course deliveries such as (but not limited) online, hybrids and accelerated sequels of the different general education courses, and redesigning the technical math sequence in well-organized and smoothly connected curriculum.

Author/Presenter: Dr. Irina Chernikova
Department of Applied General and Technical Studies
The University of Akron, Ohio.

Moved to:

Day 1 (June 13), Page 22: Poster Presentation
Garden Lanai Ballroom – 11:00am – 12:30pm

16. **Flexibility in Time and Rigor in Curricula: Can We Have It All?**

CHANGE:

Day 1 (June 13), Page 24: Session
Room Carnation – 12:45pm – 2:15pm

I. **Exploring Gender Differences in STEM Career Aspirations Amongst Middle School Students**

Author/Presenter: Dr. Isha DeCoito
Ms. Stephanie Florence
Ms. Alexandra MacDonald

II. **The Role Mentorship in Supporting African-American Students' Entry into Stem Careers**

Author/Presenter: Dr. Charles C. Edwards
Dr. Kaemanje S. Thomas

Changed to Room Pakalana

ADDENDUM

ADDITION:

Day 3 (June 15)

Room Plumeria – 8:15am – 9:45am

III. The Development of Metal Complexes for Potential Anti- Cancer Drugs

Metal complexes has used since 16th century and it showed anti-tumor activity such as cis platinum. Also, the metal such as gold ,gallium, copper, Iron and Nickel has been reported to exhibits crucial antitumor activity in animals. In addition Imidazopyridetn(IMP) has been synthesized and evaluated on prostate cancer cells and it show anti proliferative activity on human prostate cancer cells. In our research we are used IMP as ligand to metal complexes by synthesize anew drug to enhancement IMP work .

Author/Presenter: Ms. Nadiyah Alshammari
Clark Atlanta University

CANCELLED:

Day 1 (June 13) : Page 11

Room Carnation – 10:00am – 11:30am

III. Technology Learning with Non-technical Adults

Author/Presenter: Mrs. Olga Kryuchkova
Network Academy LANIT
Russia

Day 2 (June 14) : Page 33

Room Carnation – 10:00am – 11:30am

Workshop: Education Technology

III. Technology Learning with Non-technical Adults

Author/Presenter: Mrs. Olga Kryuchkova
Network Academy LANIT
Russia

Author/Presenter: Mr. Punin Andrey
Network Academy LANIT
Russia