



Fifty Years of Computing at the University of Cincinnati

The University of Cincinnati and the Department of Information Technology at the College of Applied Science would like to invite you to attend a once in a lifetime event celebrating UC's innovation, achievement, and leadership in computing on November 10 & 11, 2008.

The first computer in the Cincinnati area was installed at General Electric Aircraft Engines in Evendale in 1953. It was an IBM-701 and was the largest computer of its kind in the entire Midwest and GE's first large computer anywhere. The reason the Cincinnati area was chosen was due in part to the reputation of **Dr. Paul Herget** for his computing prowess. GE had hoped to hire him away from the University of Cincinnati. Five years later through the efforts of Paul Herget and others, UC obtained its first computer, an IBM-650. From the very beginning the university started to have an impact on the computing world. **Please join us in celebrating UC's and this region's own unique and ground-breaking computing history. There will be three events over two nights and one day.**

Some of UC's Computing Pioneers:

When **Arnold Spielberg** graduated from Hughes High School he wanted to attend UC to study engineering, but due to the depression and WWII he had to wait until 1945 before he could realize his dream. He graduated in 1949 and went to work at RCA. In 1954 he invented the first computerized point-of-sale system for which he received the IEEE Computer Pioneer award in 2006.

When **Viola Woodward** graduated from UC 1942, she had planned on being a math teacher. Instead she joined the Navy and after the war she completed her master's at Stanford and then went to work at the Army's Ballistic Research Lab and become the only UC grad to ever program the ENIAC computer. She later became the section head over the ORDVAC computer and retired from the BRL in 1979.

When **Ted Sterling** started work at UC in the late 1950s he foresaw how computers could radically change how medical research was done. He pioneered the use of computers to aid in the treatment of cancer patients and to allow the disabled to realize their full potential.

When **Joe Landwehr** started work at UC as a programmer trainee in 1964, the Internet was just in its infancy. Before the web became ubiquitous, Joe obtained UC's url of www.uc.edu in 1987.

These and other UC computing pioneers will be highlighted at this event.

Full Conference Costs: \$125 General Public; \$110 UC Employees, Retirees, and All Teaching Professionals; \$90 Students

Fees will increase by \$15 on Nov 1 for each event. You can attend each of the events separately. A brief biography of all the speakers can be found on the next page.

Nov 10 – Monday Evening Dinner at the Kingsgate Marriott Conference Hotel (3 – 9 pm) (\$60 -- all)

The kickoff event for your celebration will be a tour of UC's data center between 3-4pm housed at UC's Medical Science Building. This will be followed by a reception at 5pm and dinner at 6pm. For our celebration we will recognize some of UC's faculty, staff, and alumni who have contributed to this technological revolution that has changed all our lives. The keynote speaker will be **Robyn Render** who recently retired as the VP of Information Resources and CIO at the University of North Carolina.

Nov 11 – Tuesday at UC's College of Applied Science (7:30 am – 4:30 pm) (See below for costs)

(\$60 General Public; \$45 – All UC Employees & Retirees + any K-16 teacher; \$30 for all students - breakfast & lunch included)

A brief biography of each speaker is can be found on the next page.

Nov 11 – Tuesday Evening Reception at the Cincinnati Observatory Center (7 pm – 10 pm) (\$20 -- all)

Concurrent & Repeated Sessions: 7:30 – 8:00 & 8:15 – 8:45 utilizing both Observatory buildings

This will be a very unique opportunity to meet two former directors of the US Naval Observatory and also to hear about the latest attempt to reach into the furthest depths of the universe.

For registration and additional information go to www.uc.edu/conferencing/events/computing

E-Currents article: <http://www.uc.edu/news/NR.asp?id=8891>

You may also contact Russ McMahon at russ.mc.mahon@uc.edu; Blog: <http://uccomputinghistory.blogspot.com/>

Podcast: <http://thefuturevalueofbusiness.com/celebrating-50-years-of-computing-innovation-achievement-and-leadership.htm>



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Ms. Robyn Render (former VP & CIO of the University of North Carolina) [Keynote speaker on Monday night]

She graduated from UC's Evening College with a BS in Information Processing Systems. As one of the few African American, female students in her class, she pursued Information Technology (IT) because it was (and still is) an ever changing and challenging environment. She served as the assistant VP and director of UC's Center for IT Services before leaving. She will reflect on her personal journey as an IT professional and will share highlights about her time at UC, both as a student and as an administrator, and her time after.

Dr. Janet Del Bene (Professor Emeritus Youngstown State University) [Tuesday day at 8:45 am]

She graduated from UC's College of Arts & Science with a PhD in chemistry under Dr. Hans Jaffe. She did postdoctoral work at the Theoretical Chemistry Institute (U of Wisc) and also at the Mellon Institute under Dr. John Pople. Her bachelor's degrees are in education and chemistry from Youngstown State University. She is the 2008 winner of the Morley Medal for outstanding contributions to chemistry.

Dr. Helen Gigley (former Sr. Technical Leader at the National Virtual Translation Center) [Tuesday day at 9:15 am]

She graduated from UC's College of Arts & Science with both a BS in math and in education. She began her career training the visually-impaired computer programming at UC's Medical School under the direction of Dr. Ted Sterling. She obtained her MS & PhD degrees in CS at the University of Massachusetts/Amherst. Her research in Computational Neurolinguistics spans areas from AI to aphasiology.

Ms. Diana Domonkos (Senior Clinical & Medical Informatics Consultant at IBM's Healthcare Division) [Tuesday day at 9:45 am]

She graduated from UC's College of Nursing with both a BSN and an MSN and completed graduate course work in Education at Purdue University and Healthcare Administration at Xavier University. She has served as Staff and Head Nurse in Veteran's Administration Hospitals in Cincinnati and Indianapolis. At the suggestion of Dr. George Shields she learned how to apply computing to her field.

Dr. Dieter Schmidt (Professor of Computer Science at the University of Cincinnati) [Tuesday day at 10:30 am]

He received his PhD in math from the University of Minnesota under Dr. Ken Meyer who is an emeritus professor of mathematics at the University of Cincinnati. He and Dr. Jintai Ding of the Department of Mathematical Sciences have been collaborating for several years on analyzing Multivariate Public Key Cryptographic systems. His real passion, however, is flying powered gliders.

Dr. Ico Bukvic (Assistant Professor in Music Composition & Technology, Virginia Tech) [Tuesday day at 11:00 am]

He graduated from UC's College-Conservatory of Music with his BM, MM, & DMA in computer music and programming. He studied under Dr. Mara Helmuth. He is a composer, interactive multimedia artist, researcher, and performer. He is founder and director of the new Digital Interactive Sound and Intermedia Studio and the first non-CS member of VT's Center for Human-Computer Interaction.

Dr. Fred Siff (VP & CIO and Professor of Information Systems at the University of Cincinnati) [Tuesday day at 11:30 am]

He is responsible for coordination of technology architecture, policy development, and provision of information technology services for UC. Prior to coming to UC in October 1998, he held similar positions at the University of California, Santa Cruz, and George Mason University. His undergraduate degree is in Mathematics and both his Master's and PhD. are in Operations Research from New York University.

Ms. Chris Collins (Information Technology Analyst; University of Cincinnati) [Tuesday day at 1:00 pm]

She graduated from UC's College of Arts & Science with a BA in Political Science and is currently working on her Master's in Education. She served as a conference co-chair for the 2007 Second Life Best Practices in Education International Conference and won best paper at the 2008 American Society for Engineering Education Annual Conference. She is a 2nd Life ambassador at the Ohio Learning Network.

Mr. Eric Newman (Senior VP and GM of Pluck) [Tuesday day at 1:30 pm]

He graduated from UC's College of Business with a BA in Information Systems and Marketing. He earned an MBA from Northwestern University. His career grew out of the technology start up space, riding the cutting edge of a number of online revolutions including the creation and licensing of the first software-based online collaboration tools at DataBeam, now part of IBM.

Dr. Tom Martin (Associate Professor of Electrical and Computer Engineering; Virginia Tech) [Tuesday day at 2:00 pm]

He graduated from UC's College of Engineering with a BS in Electrical Engineering. He obtained a PhD from Carnegie Mellon University. He is on the steering committee for IEEE Technical Committee for Wearable Information Systems. In 2006 he received the NSF Presidential Early Career Award for Scientists and Engineers for his research on e-textile-based wearable computing.

Dr. John Labadie (Professor of Art at the University of North Carolina at Pembroke) [Tuesday day at 2:45 pm]

He graduated from UC's College of Design, Architecture Art & Planning with an interdisciplinary PhD. He was trained as a sculptor at the Dayton Art Institute and earned a bachelor's degree in painting from the University of Dayton and his Master's in perceptual psychology from Wright State University. He was a Fulbright Senior Scholar at the "Center for Creativity and Innovation Studies" in Taiwan.

Mr. John Holloway (Multimedia Design Specialist at RTI International) [Tuesday day at 3:15 pm – 4:15pm]

He graduated from UC's College of Design, Architecture, Art & Planning with a BFA. He holds a 2nd degree in Scientific Visualization & 3D Graphics. He is both a scientist and an artist. He uses haptic technology in his art which investigates the interaction between the computer and touch. His work was chosen for the cover of IEEE Computer Graphics and Applications magazine. Along with his colleague Mr. Robert Furberg, who is a Health Analyst at RTI, they will demonstrate how virtual reality is being used to advance medical science.

Dr. Ken Seidelmann (Research Professor of Astronomy at the University of Virginia and Former Director at the Naval Observatory)

He graduated from UC's College of Engineering with a BS in Electrical Engineering degree. He earned his MS and PhD degrees in Dynamical Astronomy from UC working under Dr. Paul Herget. He won the Norman P. Hays Award from the Institute of Navigation in 1991. He prepared the Star Chart with R. Schmidt for the Einstein Monument on the grounds of the Israel National Academy of Sciences.

Dr. Ray Duncombe who was a colleague and good friend of Paul's will be presenting with Ken. In 1957 Ray and Paul spent 7 anxious days calculating the orbit of Sputnik. Ken and Ray will highlight some of the stellar achievements of Paul Herget who was born in 1908.

Dr. Debra Shepherd (Astronomer at the National Radio Astronomy Observatory & North American Deputy for ALMA Computing)

She graduated from UC's College of Arts & Science with a BS in Physics. She has a MS in physics from the University of Tennessee and both a MS & PhD in astronomy from the University of Wisconsin. As a student at UC, she helped with the restoration of the Cincinnati Observatory which today has become a center piece of historical astronomy in the United States.