

Welcome to the many photos and videos from Chuck's birthday symposium and party, with the programs and a set of sample images to start and many links following in the last slides

Photos posted at E-Vite and Dropbox
(Links to other photos and some
good videos in the final slides)

Thanks to Cheng-Tai, Giuseppina, Kai,
Lukasz, Peter, Shirley, Simon, Susan, Theva,
et al.



RoΣo Scientific

A Voyage Through Four Generations of Synchrotron Radiation Research

TIME: Friday September 2, 2016

LOCATION: Lawrence Berkeley National Laboratory, bldg 66 auditorium

CONTACT: Zahid Hussain (510-486-7591), Peter Fischer (925-395-7846)



Agenda

9:00-9:05	Welcome	Roger Falcone
9:05-9:20	Some prehistory and the UCB days	Dave Shirley
9:20-9:30	Remarks about Chuck by Chuck	Chuck Shank*
9:30-9:50	Photoelectron holography and stereo-photography of atomic arrangement using circularly polarized synchrotron radiation	Hiroshi Daimon
9:50-10:15	Photons, Electrons, Phonons ...and more - some reflections on photoelectron spectroscopy	Wolfgang Eberhard
10:15-10:30	BREAK	
10:30-11:00	Marriage of materials in physics and chemistry	Claudia Felser/Stuart Parkin
11:00-11:30	Chuck @ UC Davis	Shirley Chiang/Warren Pickett
11:30-11:45	Memory of Chuck and Zahid, more than a quarter of century ago	Shozo Kono
11:45-12:00	<i>Group photo</i>	
12:00-1:30	LUNCH	
1:30-1:45	Probing matter with photoelectron spin and polarized radiation	Boris Sinkovic
1:45-2:00	Chuck in Sweden and Stanford	Piero Pianetta
2:00-2:15	Catching a Wave: Standing-Wave Excited Photoemission Spectroscopy in the Fadley Research Group	Alex Gray
2:15-2:30	Soft and hard X-ray ARPES: a journey through the reciprocal space	Lukas Plucinski
2:30-3:00	BREAK	
3:00-5:00	Open floor presentations	Javier Palomares Simon Mun Giuseppina Conti Seehun Yang Dick Brundle Daria Eiteneer Eli Rotenberg, Hendrik Bluhm Slavo Nemsak Peter Fischer (outside comments) Kai Liu Chuck Fadley

*With added comments by Michael Witherell, Director, LBNL, and Marvin Cohen

Three LBNL Directors and an Interloper



Dave Shirley

**Mike
Witherell**

**Chuck
Shank**

Dave Shirley

Marv Cohen



75



Zahid Hussain



Roger Falcone



Dave Shirley







75



BERKELEY LAB
BERKELEY LAB
BERKELEY LAB

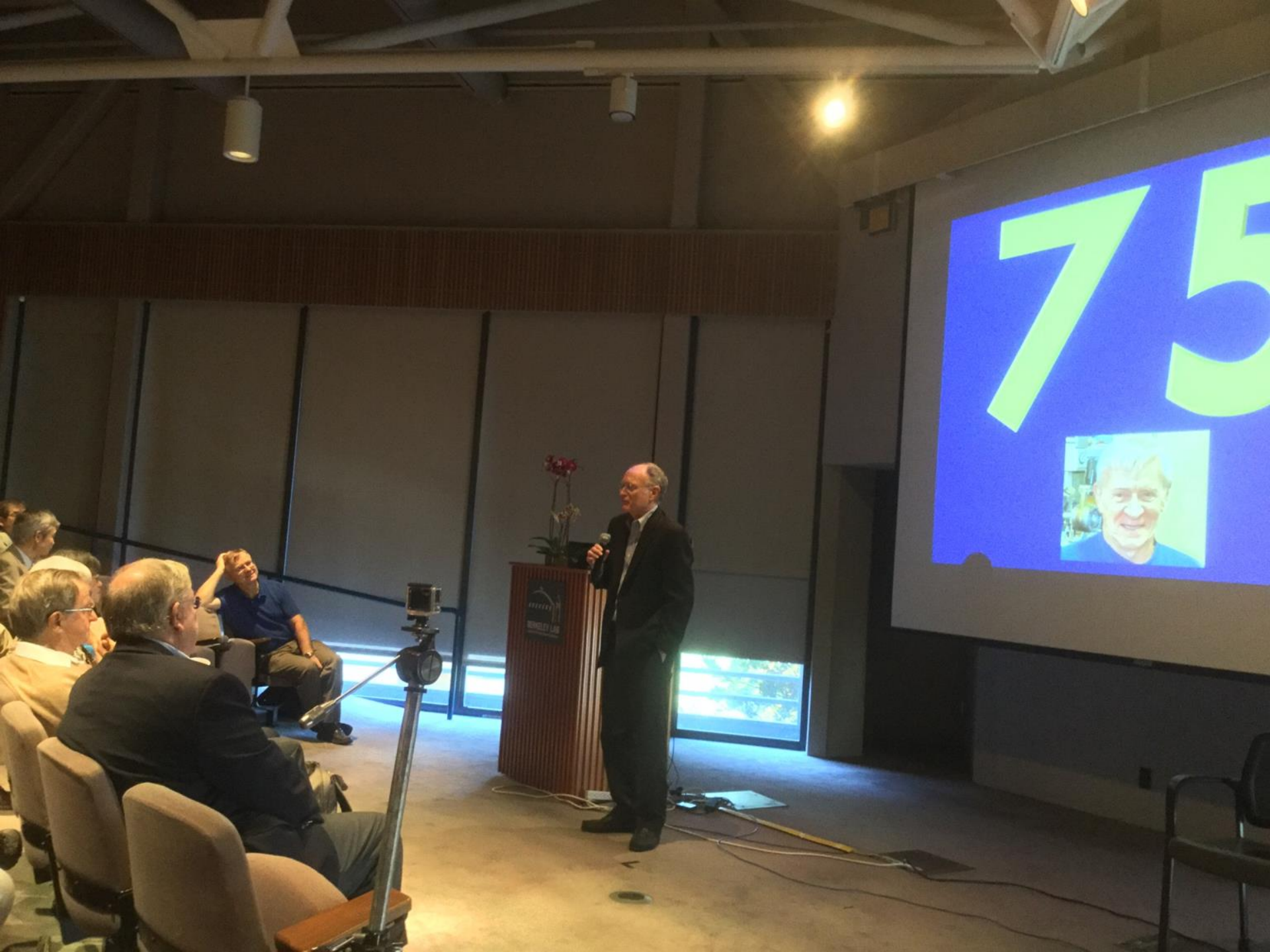
Chuck Shank







Mike Witherell





Marvin Cohen









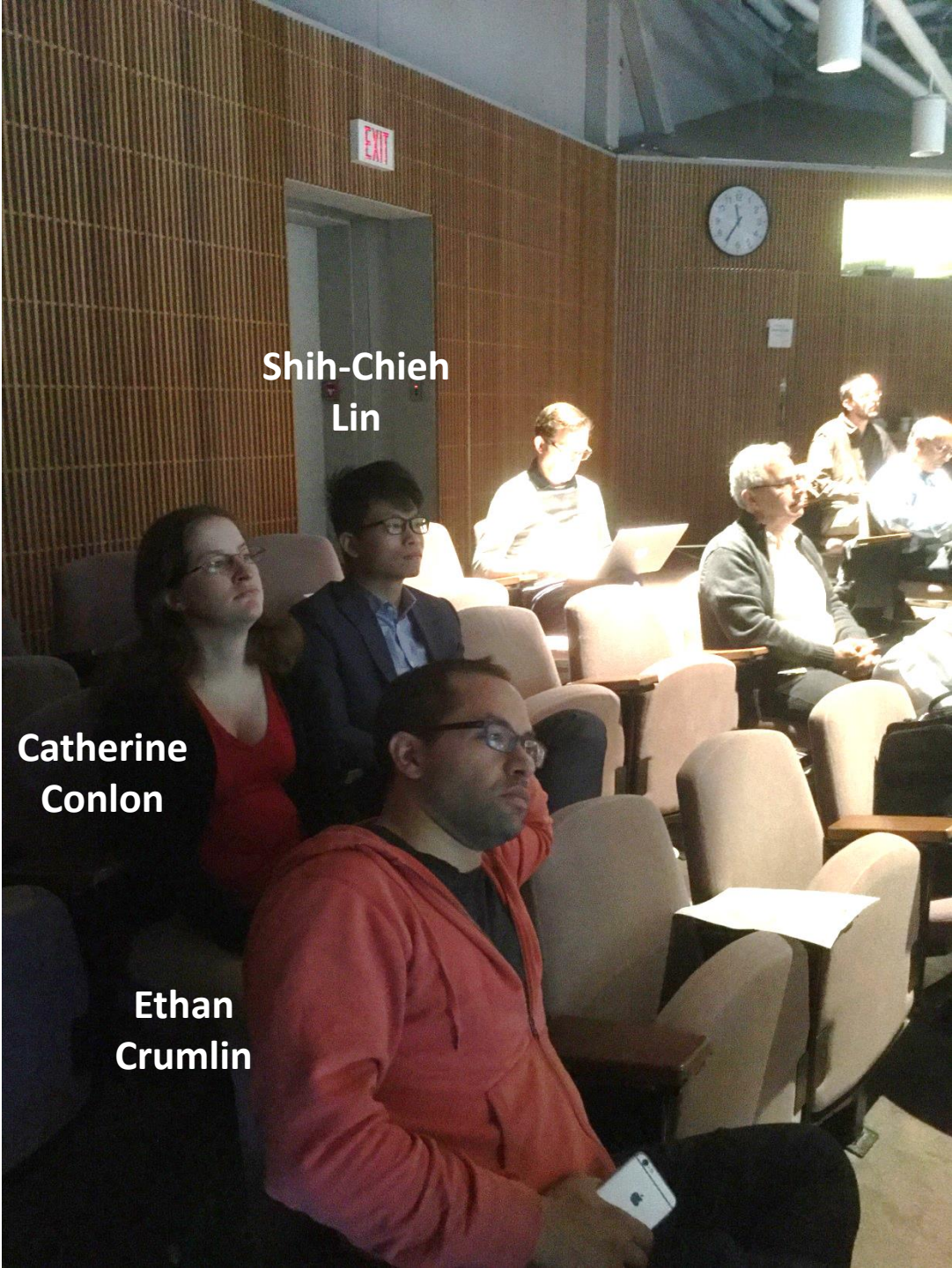








Alex
Kay



Shih-Chieh
Lin

Catherine
Conlon

Ethan
Crumlin









ES12
WORLD LEADERS
IN INNOVATION



Short history of Hiroshi Daimon

- 1976 Bachelor, the University of Tokyo
- 1978 Master, the University of Tokyo
- 1978 to 1983 Staff, ISOP the University of Tokyo
Synchronous relation spectroscopy at ISOPing in Tokyo
- 1983 Ph.D. the University of Tokyo
- 1983 Visited, Chuck in Hawaii
- 1983 to 1990 Assistant Professor, Univ. Tokyo
Two-dimensional photoelectron spectroscopy
- 1990 to 1997 Associate Professor, Osaka Univ
- 1995 Stayed in Chuck's laboratory in USA
- President Professor,
Institute of Science and Technology (IST)




Hiroshi Daimon

Short history of Infrared Division

1978: Doctorate, the University of Tokyo.

1978: Master, the University of Tokyo.

1978 to 1981: DsK GGP the University of Tokyo.

Development electron spectrometer at GORing in Tokyo.

1983: Ph.D. the University of Tokyo

1983: *Japan's Choice in Hawaii*

1987 to 1990: Assistant Professor, Univ. Tokyo.

Two-dimensional photoelectron spectrometer.

1990 to 1997: Associate Professor, Osaka Univ.

1994 to 1995: *Student in Chirikov laboratory in USSR.*

1997: *Current Professor.*

Nara Institute of Science and Technology (NAIST).

"The Rydberg states for the ions and the regular distribution of charged particles".
N. Nambu, *Rev. Sci. Instrum.* 70:4:2467-2472 (1999).



Photoelectron Spectroscopy from
1980 to 1982 by S. Ito, H. Ogasawara,
H. Ito, S. Wata and Y. Matsuda. *J.
Phys. Soc. Jpn.* 49:1176-1222 (1980)
1987 (1984).

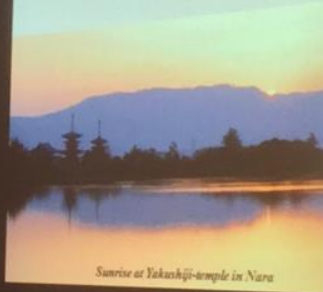


A tribute to Chuck for his 75th birthday 02 September 2016



Photoelectron holography and stereo-photography of atomic arrangement using circularly polarized synchrotron radiation

Hiroshi Daimon
Graduate School of Materials Science, Nara Institute of Science and Technology (NAIST),
Ikoma, Nara 630-0192 Japan



Sunrise at Yakushiji-temple in Nara



Stereo-view using Nintendo 3DS & lenticular lens



Everyone can download
stereophoto of atomic
arrangement from
<http://news.naist.jp/LABS/daimon/index-j.html>
Please enjoy 3D atomic world.

(a) In (b) C B

(c) P (d) C B A

(e) In P B A

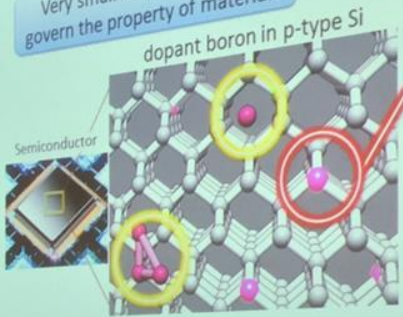
(f) Nintendo 3DS console displaying the atomic model.



non-periodic local structure around active-site atoms

Very small number of atoms
govern the property of materials

active-site



Determine which
kind of dopant site is
active, and increase
its number.

Break the limit of
nano-fabrication



Wolfgang Eberhardt

Chuck likes 'Standing Waves'



APPLIED PHYSICS LETTERS 93, 243116 (2008)

**Depth-resolved soft x-ray photoelectron emission microscopy
in nanostructures via standing-wave excited photoemission**

F. Kronast,^{1,6} R. Ovsyannikov,¹ A. Kaiser,² C. Wiemann,² S.-H. Yang,² D. E. Bürgler,²
R. Schreiber,² F. Salmassi,¹ P. Fischer,⁴ H. A. Dürr,¹ C. M. Schneider,²
W. Eberhardt,¹ and C. S. Fadley^{4,5}

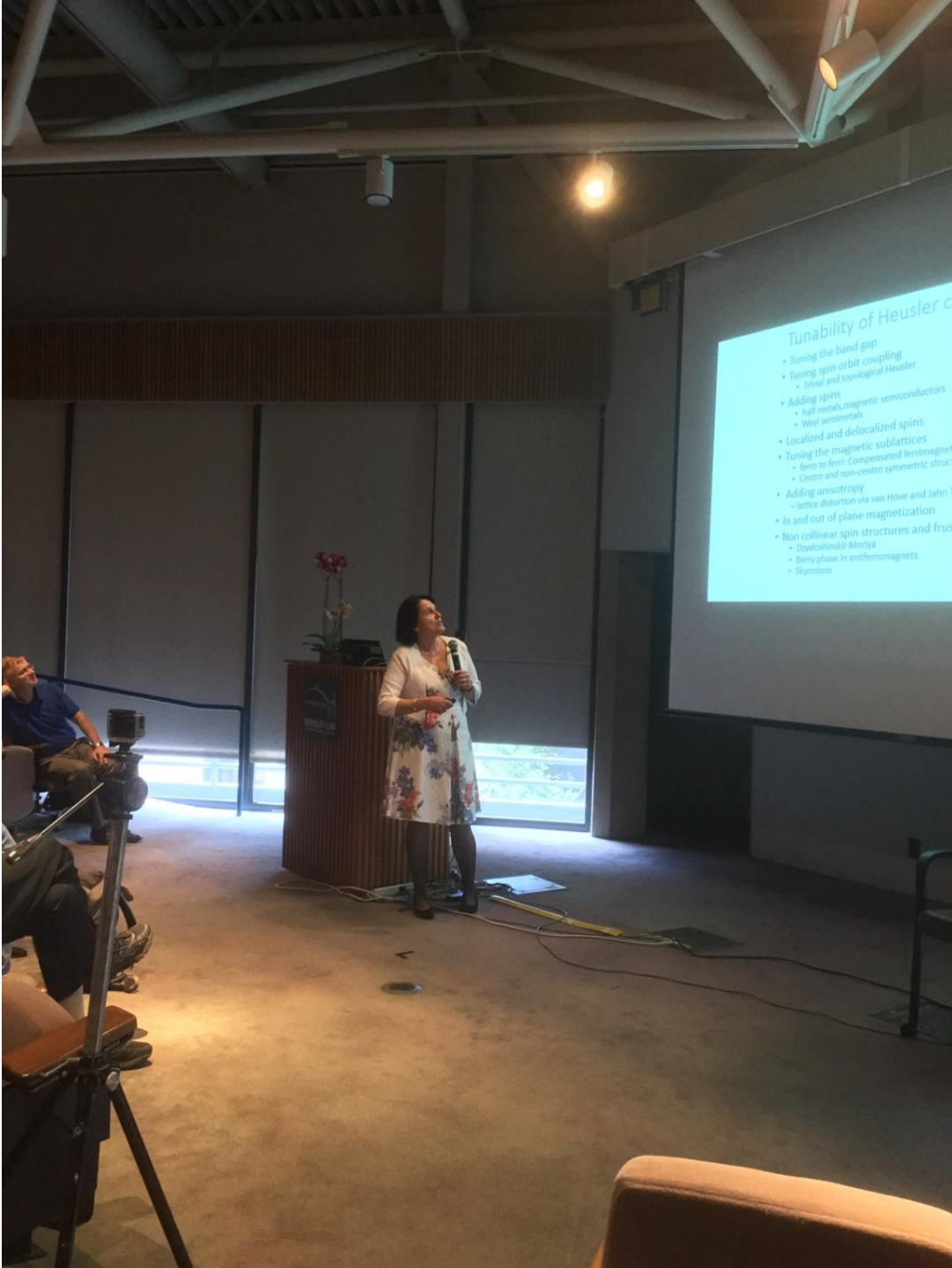
Marriage of materials in physics
and chemistry



Claudia Felser & Stuart Parkin

Marriage of materials in physics
and chemistry





- ### Tunability of Heusler c
- Tuning the band gap
 - Tuning spin orbit coupling
 - Intral and topological Heusler
 - Adding spins
 - half metal/magnetic semiconductors
 - Weyl semimetals
 - Localized and delocalized spins
 - Tuning the magnetic sublattices
 - ferro to ferri: Compensated ferrimagnet
 - Centro and non-centro symmetric struct
 - Adding anisotropy
 - lattice distortion via van Hove and Jahn T
 - In and out of plane magnetization
 - Non collinear spin structures and frus
 - Dzyaloshinskii-Moriya
 - Berry phase in antiferromagnets
 - Skyrmions

Close collaborators

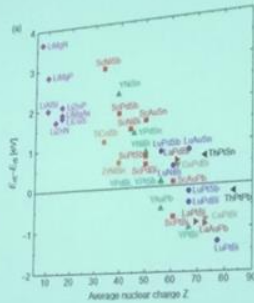
Business often gaps between colleges, and students are well-served. Nature provides the vigor - couples who have combined lives and the lab.

When a woman and a man are together, they often find a way to work together. In the case of a woman and a man who are both scientists, the collaboration can be particularly fruitful. This is the case for a woman and a man who are both scientists and who have combined their lives and the lab.



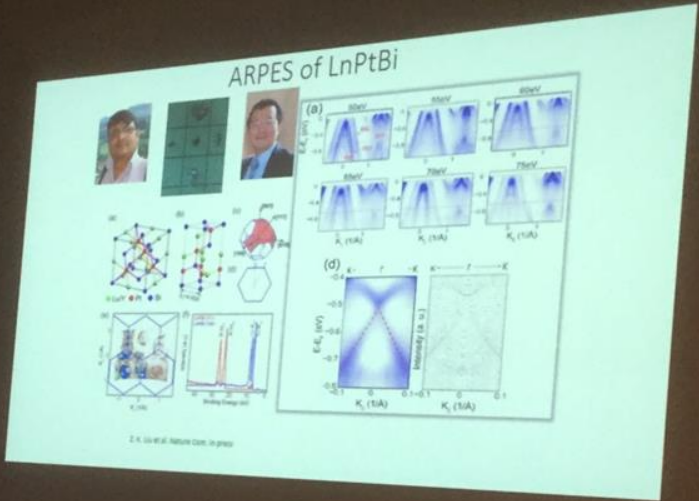
MATERIALS AND AIR MILES
After a long drive home last night, the man and woman were exhausted. They had just finished a long day of work. The man was wearing a blue shirt and the woman was wearing a dark top. They were both smiling and looking at the camera.

Predicting topological insulators



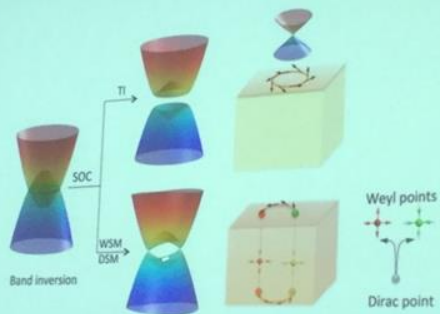
S. Chadov et al., Nat. Mater. 9 542 (2010)
H. Lin et al., Nat. Mater. 9 546 (2010)

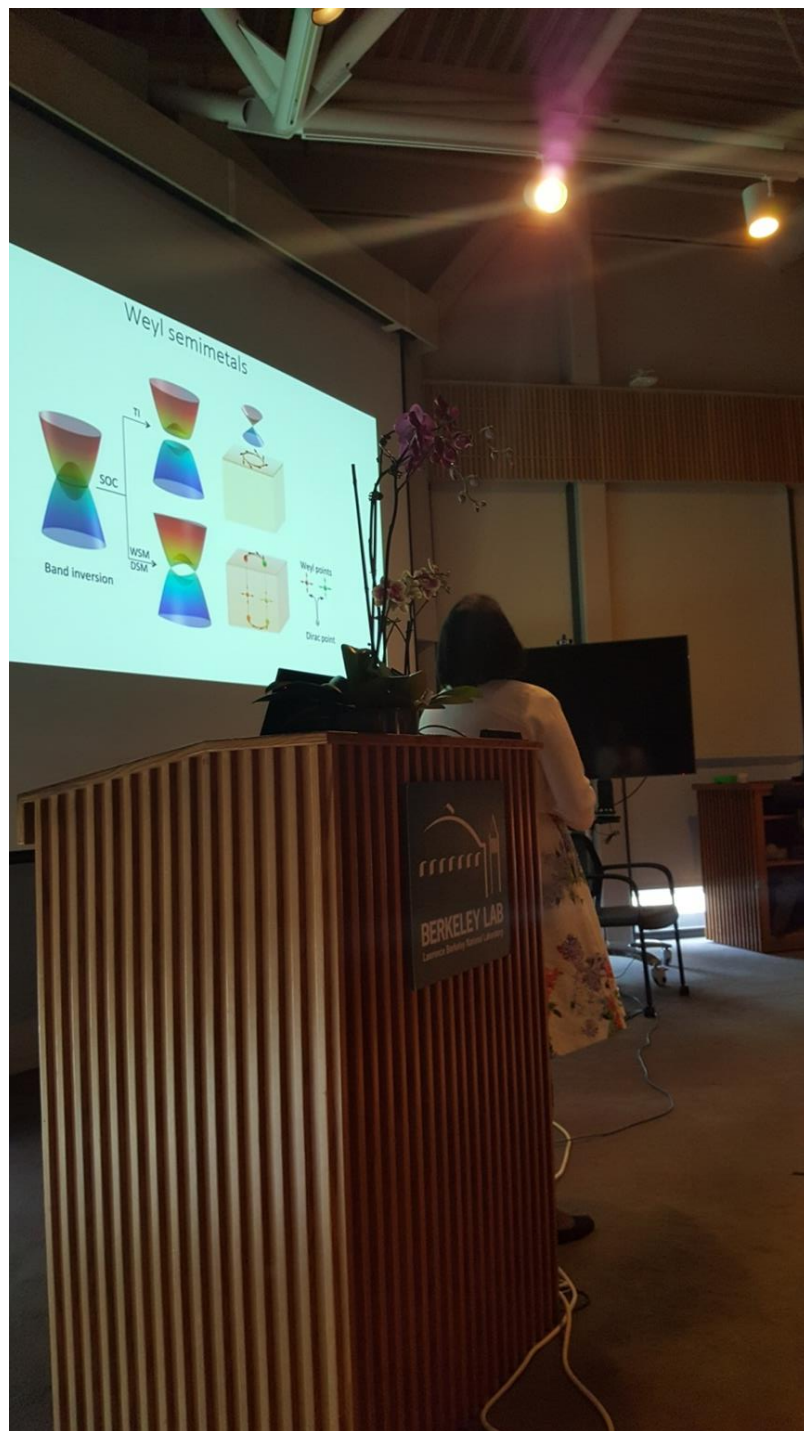


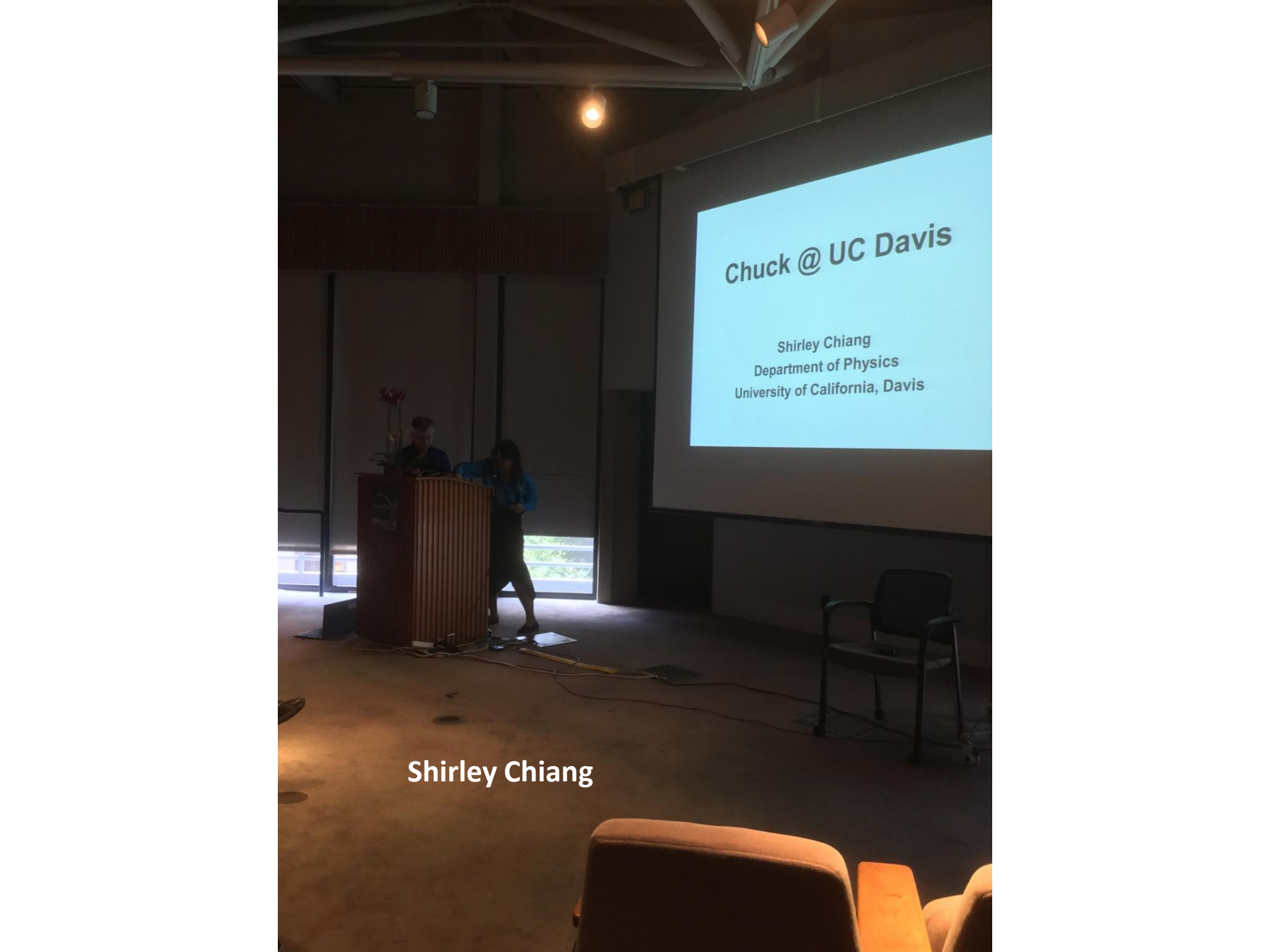


A woman in a floral dress is standing on the left side of the stage, holding a microphone and presenting the slide.

Weyl semimetals







Chuck @ UC Davis

Shirley Chiang
Department of Physics
University of California, Davis

Shirley Chiang



Education

- B.S. in Chemical Engineering, Massachusetts Institute of Technology, 1963
- M.S. in Chemical Engineering, University of California at Berkeley, 1965
- Ph.D. in Chemical Physics, University of California at Berkeley, 1970
 - Thesis: Core and Valence Electronic States Studied with X-ray Photoelectron Spectroscopy
 - Thesis adviser: David A. Shirley

Shirley Chiang

Foreign Sabbatical Leaves

- Visiting Professor, L.U.R.E. University of Paris Orsay, France, October 1978-July 1979.
- Visiting Professor, L.U.R.E. University of Paris Orsay, France, December 1986-July 1987.
- Helmholtz-Humboldt Research Award, 2007, Forschungszentrum Jülich and Universität Hamburg
- Distinguished Visiting Professorship (Charles and Johanna Busch Senior) in the Paris-Saclay Triangle de Paris, 2013-2015.

Distinguished Professor Charles S. Fadley

- Thank you for your contributions to the UC Davis Physics Department!
- Congratulations on your 75th birthday!



Warren Pickett

Chuck's 75th Birthday Meeting "A Voyage through Four Generations of Synchrotron Radiation Research", Berkeley, 02/19/2015

Nostalgic

**Memory of Chuck and Zahid,
more than a quarter of century ago**

Shozo Kono
Professor Emeritus of Tohoku University
kono@tagen.tohoku.ac.jp

Visiting Researcher, School of Science & Engineering,
Waseda University, Tokyo, Japan

Professor, Xian Jiaotong University, Xian, China

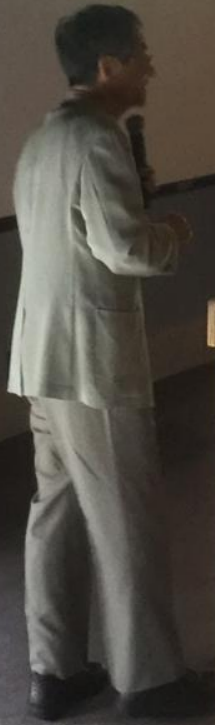


Shozo Kono



On the arrival day to Honolulu, Hawaii, Feb. 7, 1977

Pacific Beach Hotel Waikiki



**Kazuhiko Suntharampillai
Higashiyama Thevuthasan**

**Boris
Sinkovic**

**Masamichi
Yamada**

**Hiroshi
Daimon**

**Ajith
Kaduwela**

Greg Herman



With the ARPES Masters

Eli Rotenberg

Aaron Bostwick



Kai Liu

Gergely Zimanyi



**Shirley
Chiang**

Rajiv Singh





A magnificent lunch

Xiangdong Zhu





Bill Dreiss





Alex Saw

Daria Eiteneer-Harmon



Steve Rosenblum





Giuseppina Conti

Armela Keqi



the beginning : Hawaii days

Richard Saki Brent Hennemeyer David Shim
 Peter Orders Mike Saporito Eric Bullock

CHUCK

Bilger Hall (UH campus)

Chuck's group (~19...)

Boris Sinkovic

the beginning - Hawaii days



Biger Hall
(UH campus)



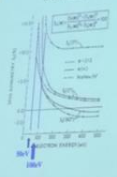
Richard Brent David Rob
Saki Hemsinger Shein White
Peter Mike Eric Born
CHUCK Orders Sagurton Bullock Sinkovic



Chuck's group (~ 1984)

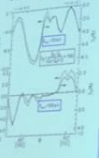
Spin Polarized Photoelectron Diffraction:

SCATTERING (Theory)

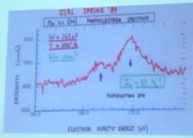


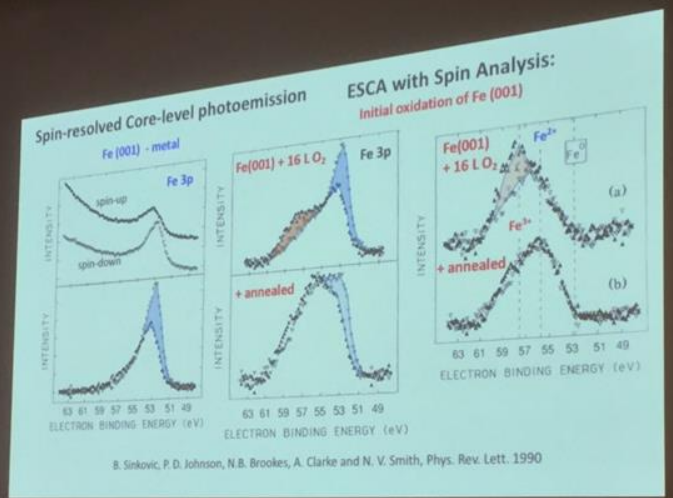
Phys Rev B 40, 401 (1989)

DIFFRACTION (Theory)

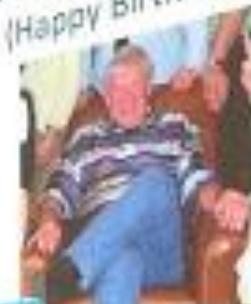


Chuck's group at SSRL (~1984)





Chuck in Sweden and Stanford
(Happy Birthday!)



Ingrid Lindell
Piero Pianetta



Piero Pianetta

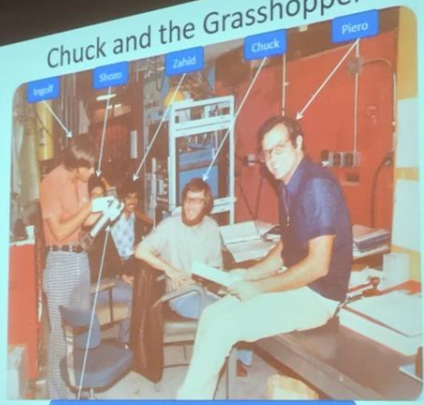
...luck in Sweden and Stanford
(Happy Birthday!)



Ingolf Lindau
&
Pianetta



Chuck and the Grasshopper



Cracked IN aloud—notice the screwdriver—why gloves?

Very Early Days of Standing Wave XPS at ALS

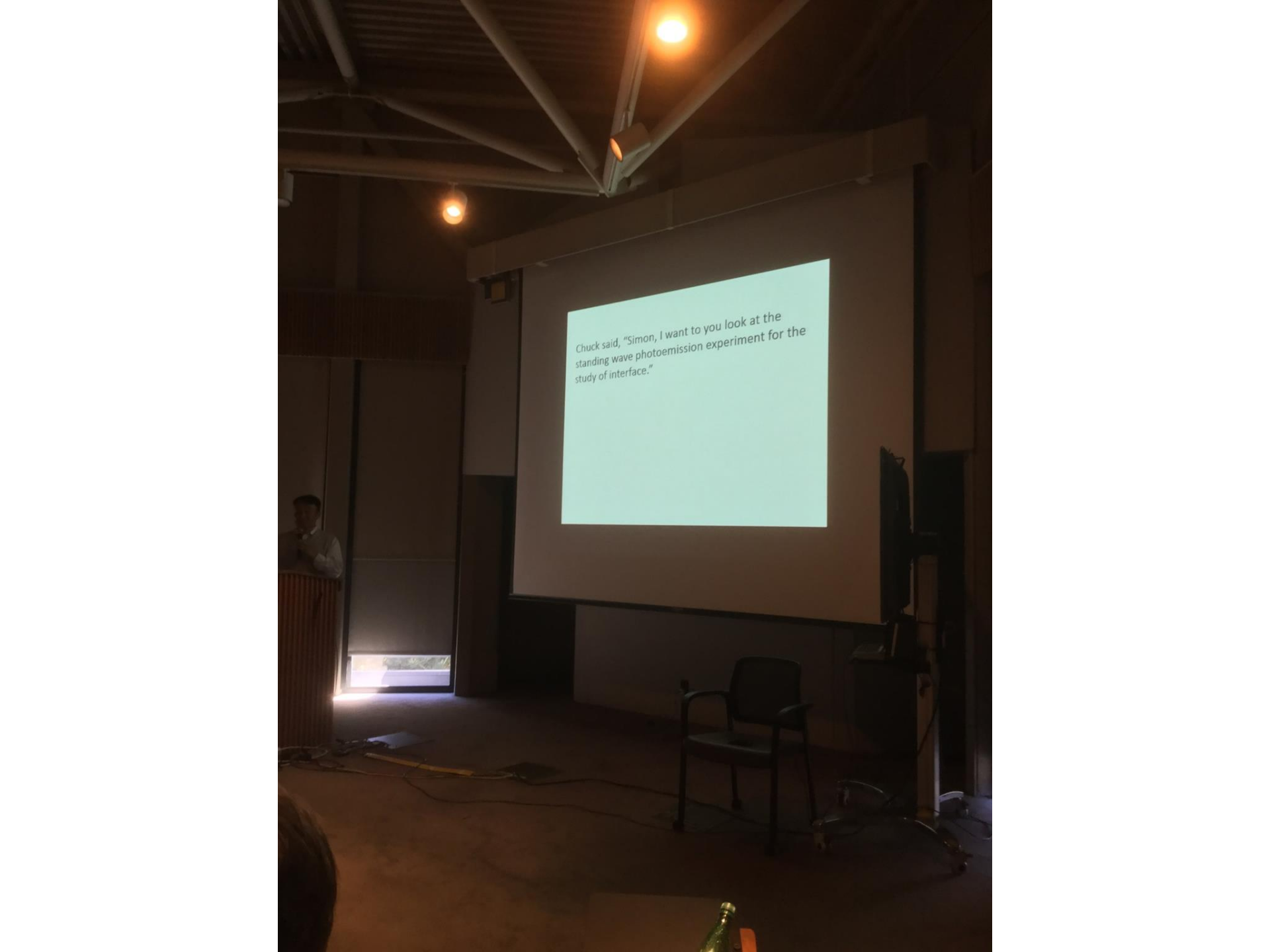


Simon Mun
Department of Physics and Applied Science
University of Science and Technology
Hong Kong

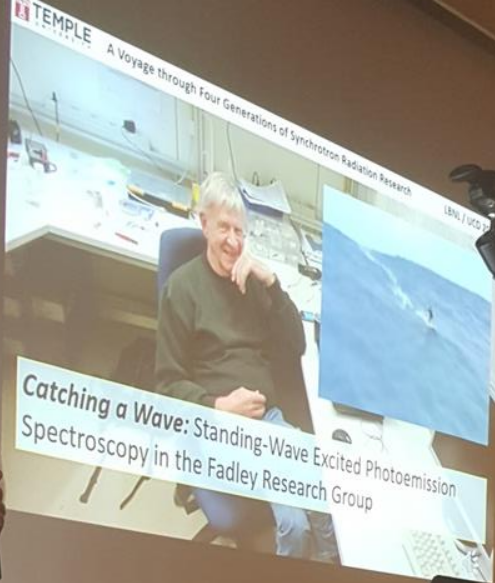


Simon Mun



A photograph of a lecture hall during a presentation. A large projector screen is the central focus, displaying a quote in white text on a light blue background. To the left, a person is partially visible behind a podium. The room is dimly lit, with spotlights on the ceiling and a window on the left. A chair and some equipment are visible on the stage area.

Chuck said, "Simon, I want you look at the standing wave photoemission experiment for the study of interface."



Catching a Wave: Standing-Wave Excited Photoemission Spectroscopy in the Fadley Research Group

Alex Gray





Lukasz Plucinski

Interpretation of temperature dependent HARPEs spectra

$$I_{\text{HARPE}}(E, \vec{k}) = W(T) I_{\text{HARPE}}(E, \vec{k}) + (1 - W(T)) I_{\text{HARPE}}(E, \vec{k})$$

Debye-Waller factor $W(T) = \exp\left[-\frac{3}{2} \langle u^2 \rangle \frac{E^2}{T}\right]$

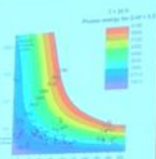
reciprocal lattice vector (scalars with \vec{k}_{HARPE}) \vec{k}_{HARPE}

mean squared vibrational displacement $\langle u^2 \rangle(T)$

Germany 2007



Chuck Lukacz Jan Minor Jürgen Strauß



PRB 84, 045433 (2011)
PRB 88, 205409 (2013)



Claus Schneider

Some more photos with Chuck and his group



Claus Schneider

Lukasz Plucinski





"A Voyage Through Four Generations of
Synchrotron Radiation Research"
In Honor of Chuck Fadley

The APSD early days... 20 years later

Javier Palomares
Instituto Ciencia de Materiales de Madrid
ICMA-CSC, Spain

7th Birthday Symposium
Berkeley, September 2nd, 2018



Javier Palomares

The crew at work...



At the ALS, ca. 1994

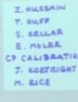


Miroslav Daimon



Zahid Hussain

ALS Beamline 9.3.2



J. HUSSAIN
T. HUFF
S. KELLER
E. MILLER
CP CALIBRATION
T. KOEPSIG
M. RICE











Eli Rotenberg in front of SS
(2006)

Eli Rotenberg

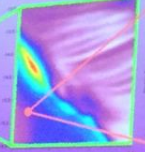
First nanoARPES results



50nm steps, 200 nm resolution



50nm steps, 120 nm resolution



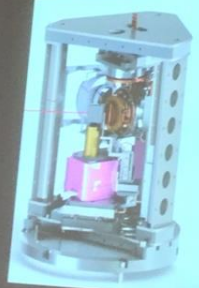
ARPES Appd. at each pixel



bilayer + small amount of trilayer

August 2016
R. J. Koch, A. Bostwick, C. M. Jozwiak, E. R.

A good manipulator is essential



12 degrees of freedom

- ZP**
x, y, z (fine)
z (coarse)
- OSA**
x, y, z
- Sample**
x, y, z
 θ, φ

Geoffrey Gaines
Aaron Bostwick
Roland Koch



Giuseppina Conti

Ambient Pressures XPS: LBNL Design

XPS at 20 Torr water vapor pressure
equilibrium water vapor pressure at 20 °C

B. E. Mann et al., Chem. Sci., 2014, 5, 42



Hendrik Bluhm





Slavo Nemsak



Electron Spectroscopy
Theory, Techniques,
and Applications
Vol 2
Ed. C. R. Brundle and A. D. Baker,
Academic Press 1978

Dick Brundle





Source: Casper
(Audi)
No Signal
To display help, press the H button

The LBNL Symposium: A Voyage Through Four Generations of Synchrotron Radiation Research





CHUCKS 75TH BIRTHDAY PARTY

SUSAN FADLEY
510-841-7541



TEMESCAL BEACH HOUSE
6500 BROADWAY
OAKLAND, CA 94618



**Party
by Susan**



Happy Birthday, Chuck!

Program

6:00 to 7:00 Wine & Pups

The Music of Faith Aho
Welcoming Hula by Ladies of Hāna Hula 'O Kapaemāhū'ie
"Ka'a Hoolaha" & "Ke Aloha"

7:00 to 8:00 Buffet Dinner

8:00 Start to Gather in Main Room

8:15 Chuck Roast

Mahaio. Adam Woltag
"Paka (Pain)" Hula for a Guy Who Wanders the World

Erich Ippen

Zahid Hussain "Chuck's Priority, Early Days."

Brent Herzmeier "Chuck and the Little People: That Means the Rest of Us"

Erin Phipps/Georgia Holtz

Peter Eisenberger

Paul Johnson

Clair Putnam

Adam Woltag "Are You Sure That's Him, Mom?"

Susan Fadley "A Guy for the Short Haul"

Chuck Has His Say

Happy Birthday to You!

Carrie, Ryo and Kea

9:15 to 10:00+ Cake, Fruit, Coffee & Open Mic









Ryo's cake



Happy Birthday Chuck



Happy Birthday Chuck



Sophia

Ryo



Kea

Shozo Kono



The Hula

The Party at Temescal Beach House

The Roast



Brent Hermsmeier

Bill Dreiss

Erin Holtz Phipps Georgia Holtz

Susie Fernandez

Kelly Sua

Kumu

The Hula Sisters





Peter Eisenberger



Luciano Moretto

**Mihael
Hategan-Marandiuc**



Dick Brundle



Alex Gray



Lukasz Plucinski

Mark West



Chen-Ying Wu

Cheng-Tai Kuo



Jill
Pickett



Nick
Curro





EXIT



Gudrun
Schneider

**Marysol
Nemšák**



**Adam
Woltag**

**Diane
Eberhardt**



**Rena
Zieve**

**Valentin
Taufour**



Ford
Dallmeyer

Janet
Berrian



**Hendrik
Bluhm**



Hendrik

Pepper

Inna

Inna Bluhm

Osman

Pepper Bluhm

Inna Bluhm

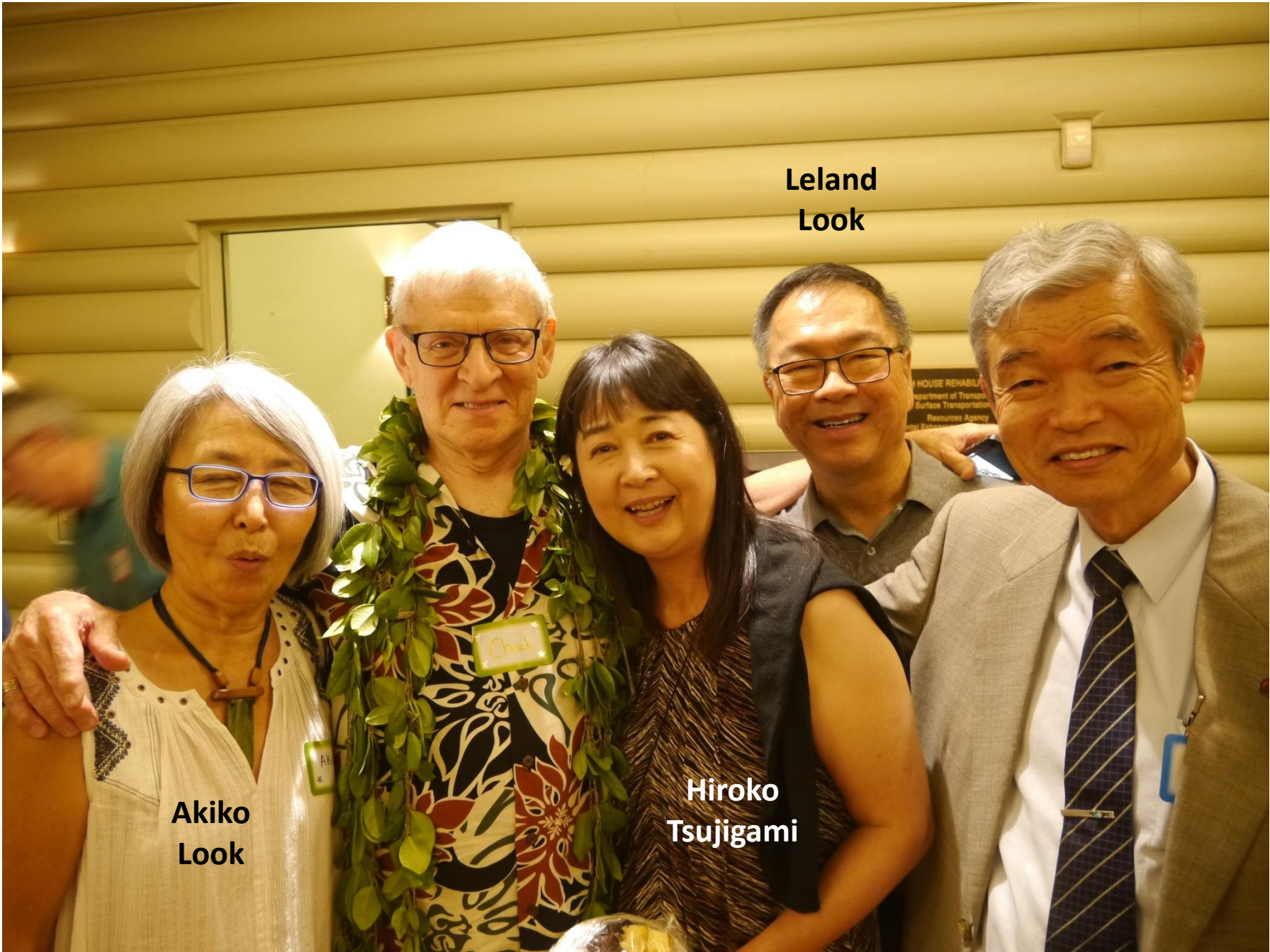
Osman Karslioglu



Sunny

Maru

Simon
Mun



**Leland
Look**

**Akiko
Look**

**Hiroko
Tsujigami**

**Curt
Berrian**

**Masamitsu
Watanabe**





Peter Fischer

Sung-Kwan Mo

Inna Vishik





Susan
Miuccio

Frank
Miuccio

**Theva
Thevuthasan**

Rohini





**Piero
Pianetta**

**Mats
Hagstrom**

**Claire
Putnam**



Graciela Chichilnisky **Peter Eisenberger**



Slavo Marysol Armela Alex



Bill Dreiss



Waiting for the roast







Faith
Ako Group

The Hula Sisters





















Pat
Oddone













Leslie
Yim





Shih-Chieh
Lin












**Paul
Newachek**

Elaine

Barry and Gail Klein



Javier
Palomares

Arunika
Kaduwela



Happy Birthday, Chuck!
Lake Temescal Beach House, Oakland

Program

6:00 to 7:00 Wine & Pupus

The Music of Faith Ako
Welcoming Hula by Ladies of Hālau Hula 'O Kupukalau'ie'ie
"Ku'u Hoaloha" & "Ke Aloha"

7:00 to 8:00 Buffet Dinner

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Mahalo. Adam Woltag
"Palisa (Paris)" Hula for a Guy Who Wanders the World

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Zahid Hussain "Chuck's Priority, Early Days."
Brent Hermsmeier "Chuck and the Little People:
That Means the Rest of Us"
Erin Phipps/Georgia Holtz
Peter Eisenberger
Paul Johnson
Claire Putnam
Adam Woltag "Are You Sure That's Him, Mom?"
Susan Fadley "A Guy for the Short Haul"
(Roast program in detail on next page)

Chuck Has His Say

Happy Birthday to You!

Carrie, Ryo and Kea

9:15 to 10:00+ Cake, Fruit, Coffee & Open Mic

Chuck Roast Program

Adam: Thank people for coming. Mahalo Faith Ako for the beautiful music. Mahalo Kumu and Susan's hula sisters, Kelly and Susie, of Halau Hula 'O Kupukalau'ie'ie And last but not least, thank Trumpet Vine Catering for the ono food and helping put this evening together. We have to get cracking because they have to be packed and out of here by midnight. So we'll do our roast, and then sing happy birthday, and have cake and coffee. But first....

"Palisa," is hula about a boy who travels to Paris, India, and Egypt in a balloon.

----- Hula-----

Susan: Okay, Now we get personal.

Erich Ippen and Tom Massaro (not here) were Chuck's roommates in Berkeley during the Summer of Love-1968, and I can only imagine what Erich and Chuck shared during these...formative years? Be gentle, Erich.

Chuck has had 37 PhD students complete their degrees....so far...with another 5 or 6 in the pipeline. **Zahid Hussein** Class of '79 was No. 5. More than 40 years and they're still collaborating.

Brent Hermsmeier '88 was No. 14. He was the first student of Chuck's that I met, drop-dead gorgeous, and like Chuck he married a local girl. One of the best days I ever spent with Brent was walking his daughter, Maiko, around the Berkeley Marina shortly after she was born. She is here tonight, now a college graduate.

Erin and Georgia Holtz-Friends. Chuck has known the Holtz family for so long that he may be the only person in this room allowed to use Erin's baby nickname. There are few people who have been more gracious and generous to us than this family.

Peter Eisenberger-Friend. I know a few things about Peter Eisenberger that I can't repeat here, and I just want you to know, Peter, that I will take them to the grave.

Paul Johnson-Friend. Oh my God, with how many people can Chuck watch Tarentino's "From Dusk Till Dawn?" and share boy gang stories till 4 a.m.?

Claire Putnam-Friend. Chuck and I met Claire Putnam at a funeral. She was wearing a very dramatic hat. She and Chuck became date night buddies. Recently she and her family moved to Montana. Cesar's Bistro will never be the same.

Mats Hagstrom The son of Stig Hagstrom, one of the important mentors and friends in Chuck's life. Stig got Chuck started on his research field in the 60s.

Adam Our son





**Erich
Ippen**







**Zahid
Hussain**

**Carmen
Ross**



**Pat
Oddone**

**Susan
Brandt-Hawley**



**Wolfgang
Eberhardt**







**Brent
Hermsmeier**







Erin Phipps Georgia Holtz



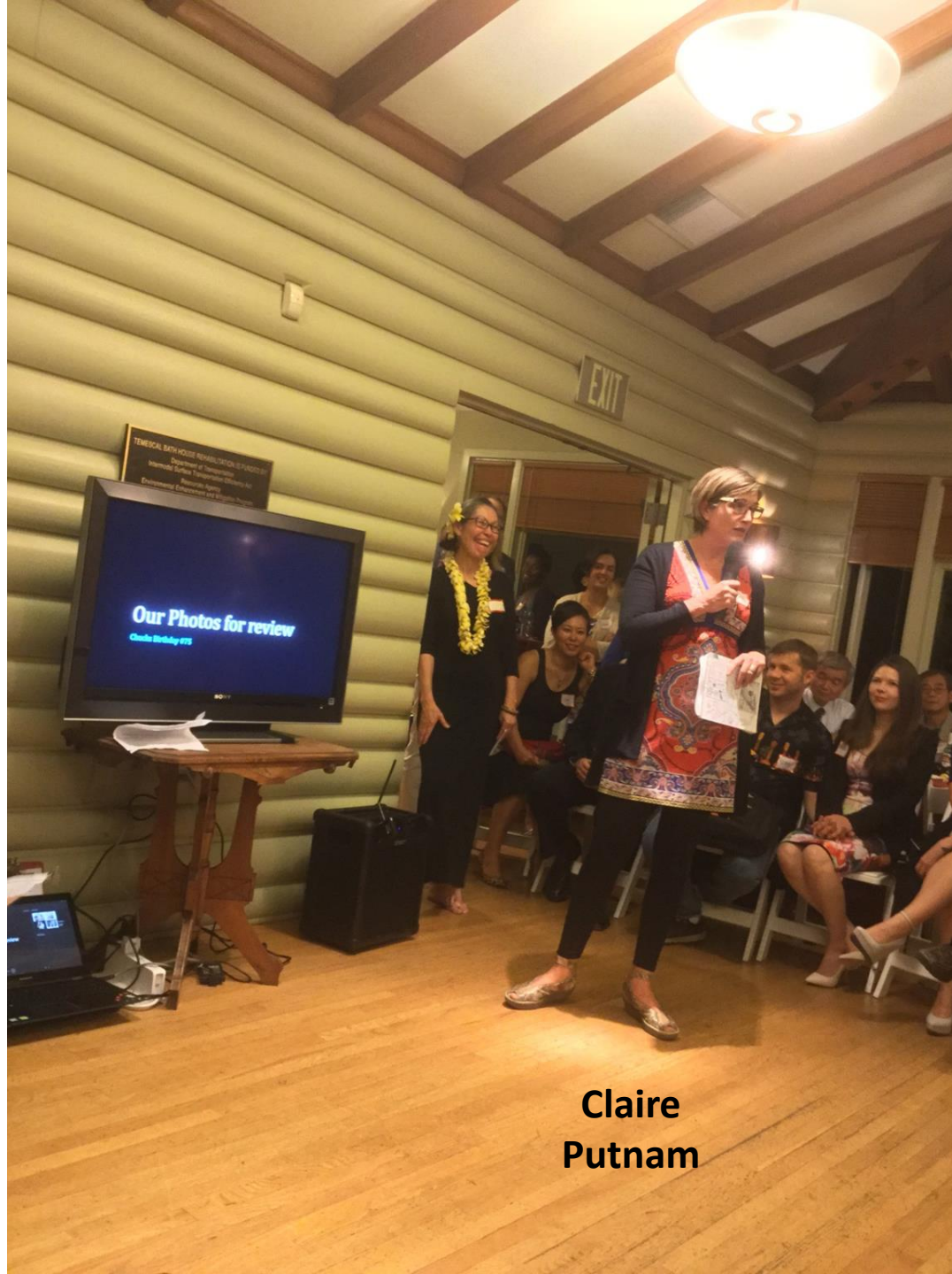
**Peter
Eisenberger**



**Erich
Ippen**







**Claire
Putnam**





REMEDIAL BATH HOUSE RENOVATION IS FINISHED BY
Department of Transportation
Hawaii Surface Transportation Division 40
Resource Agency
Equipment, Engineering and Planning Section

Our Photos for review
Cuba Bickley III

EXIT



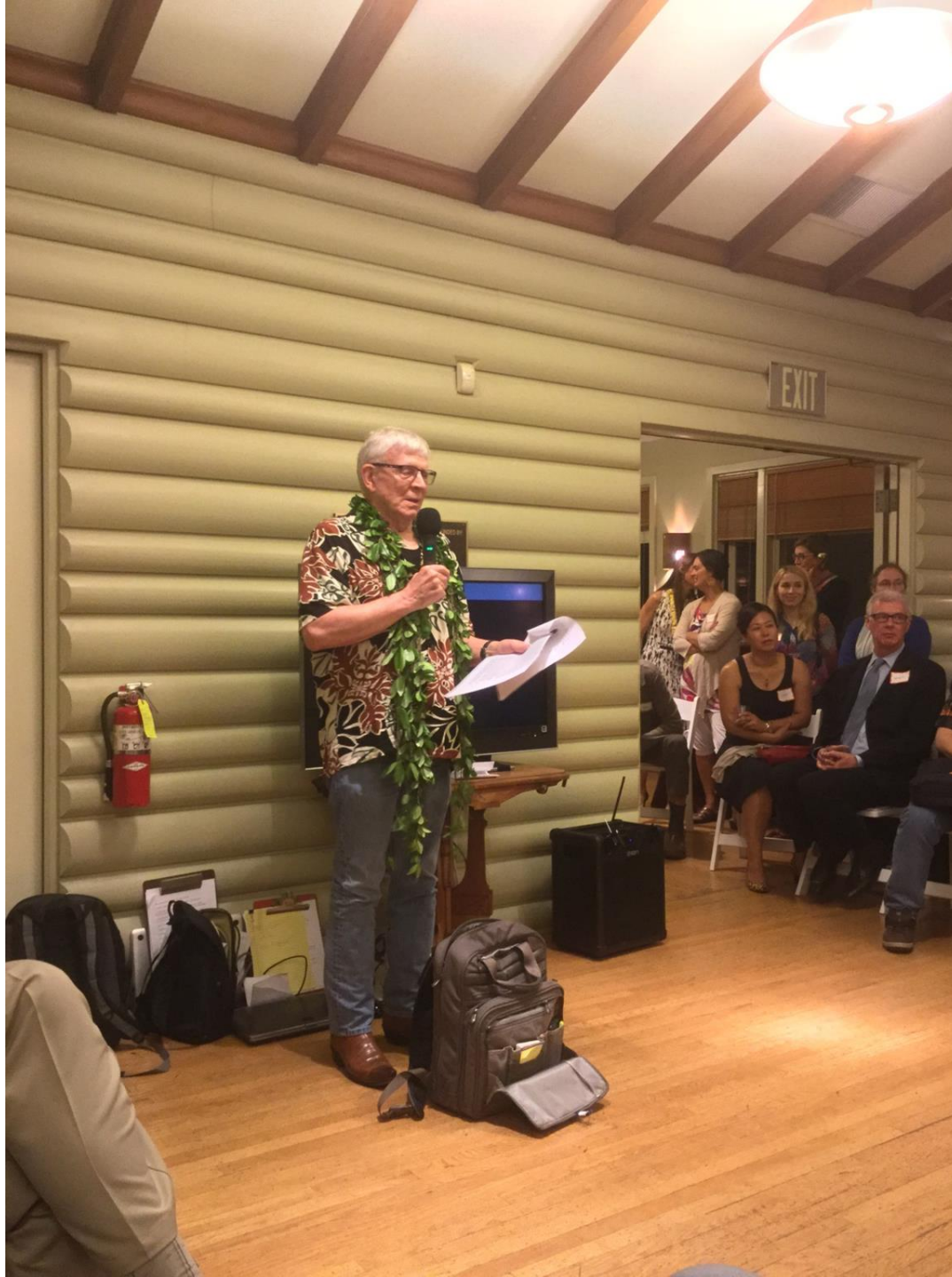


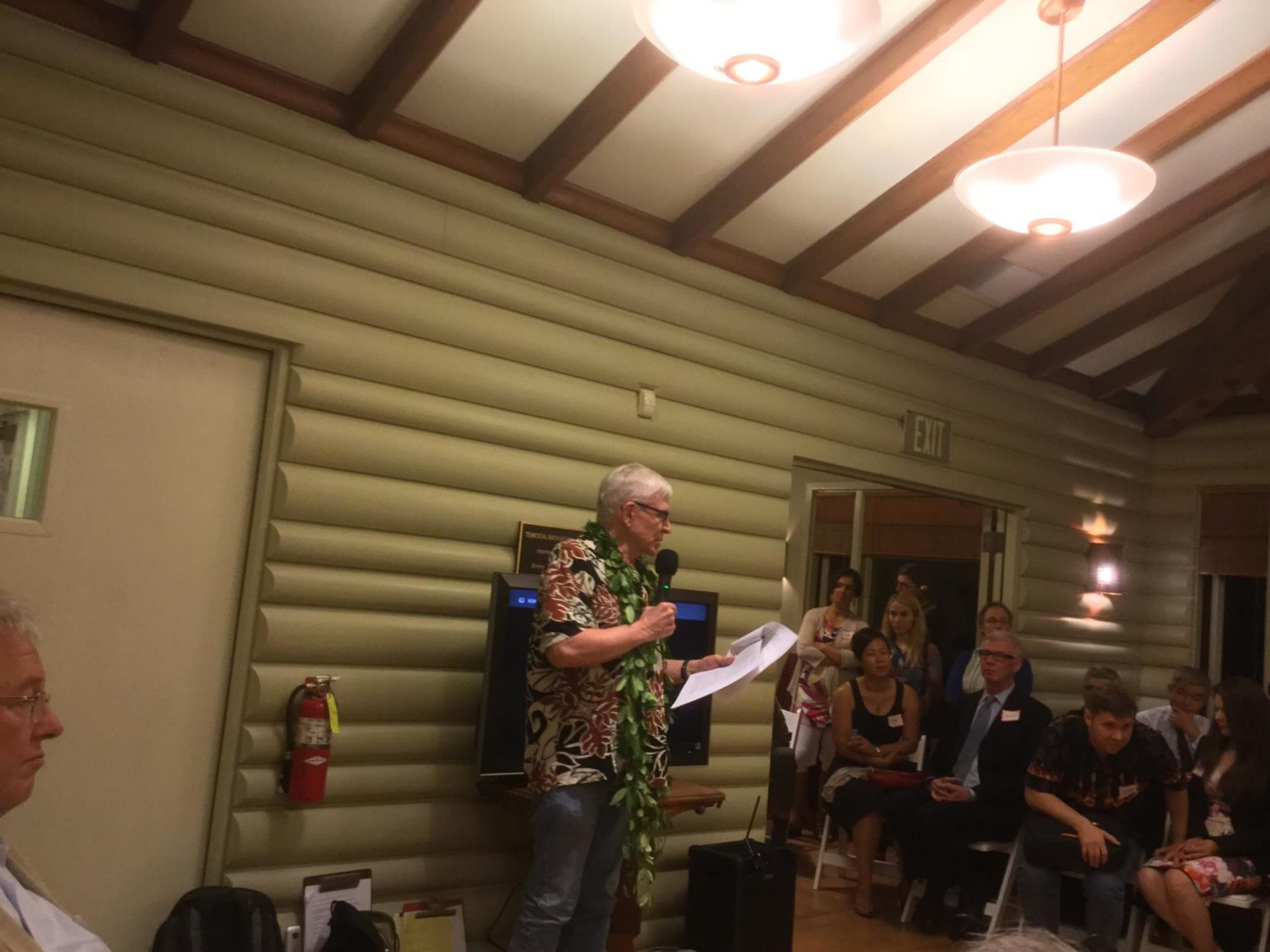


Susan gets the last word









Mats
Hagstrom

Carrie
McAlister





Ryo

Kea





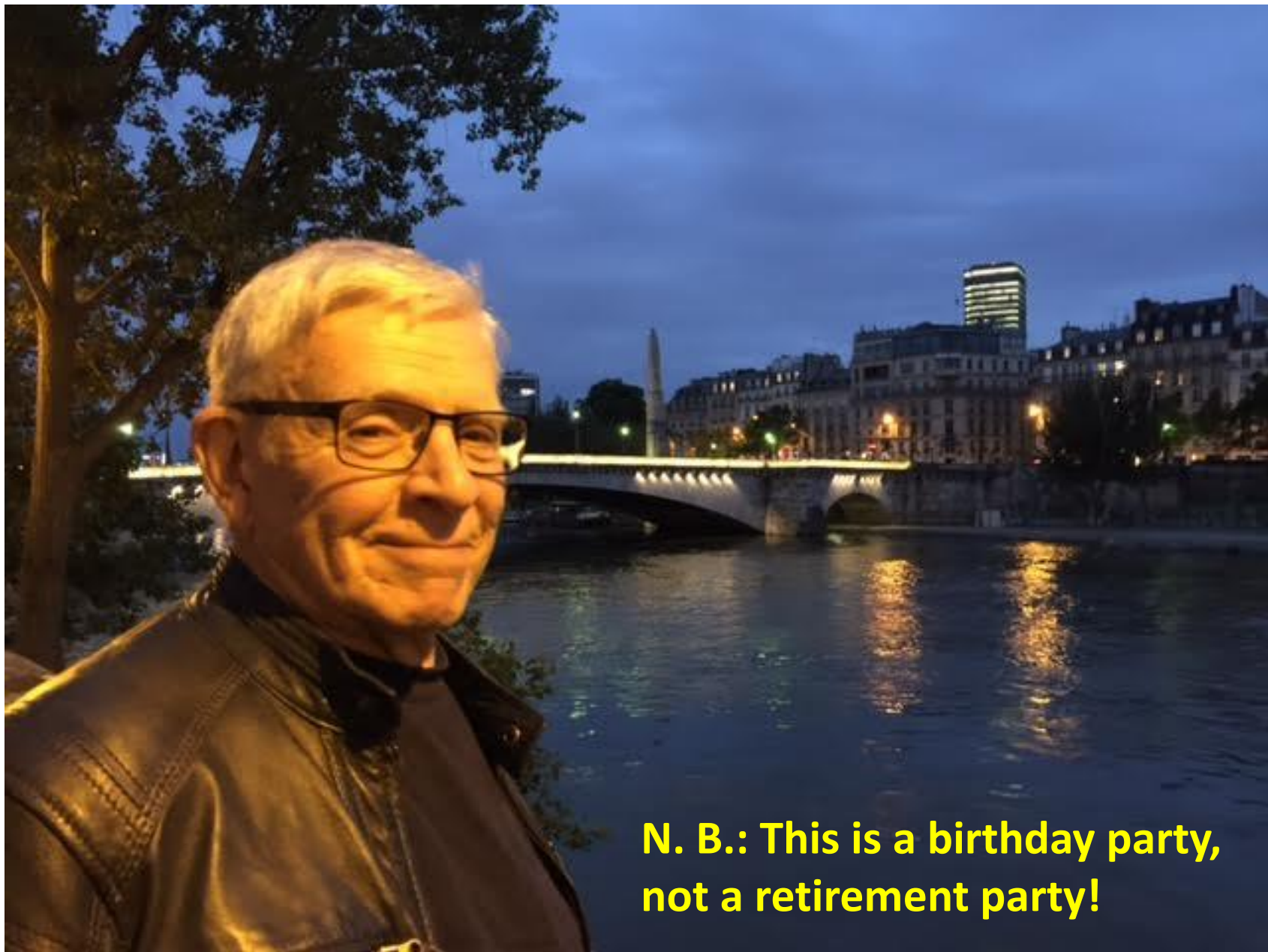


Ryo's
cake









**N. B.: This is a birthday party,
not a retirement party!**

The many other photos and videos from Chuck's symposium and birthday party:

LBNL Symposium photos by Marilyn Chung, easy to cycle through

General Symposium-

<http://photos.lbl.gov/bp/#/folder/1690302>

With three LBNL Directors:

<http://photos.lbl.gov/bp/#/folder/1686088#45093376>

LBNL Symposium videos by Slavo Nemsak, shared from Google Drive:

(Unfortunately, no video from Roger Falcone's initial welcome: Camera being set up.)

537—Dave Shirley (PhD adviser and former LBNL Director), Chuck Shank (Former LBNL Director) and Michael Witherell (Present LBNL Director)

<https://drive.google.com/file/d/0B6dByKKywHPzOEJ5YVhFX2hDYjQ>

538-539-Hiroshi Daimon, Wolfgang Eberhardt

<https://drive.google.com/file/d/0B6dByKKywHPzRGEyS3ZJaEJLMVk>

542-543-Marvin Cohen, Claudia Felser, Shirley Chiang, Warren Pickett, Shozo Kono

<https://drive.google.com/file/d/0B6dByKKywHPzSzfOOWRUcEVpbXM>

544-Lukasz Plusinski, Boris Sinkovic, Piero Pianetta, Alex Gray

<https://drive.google.com/file/d/0B6dByKKywHPzZWdLY0JqOTZpV0U>

545-Javier Palomares, Simon Mun, Eli Rotenberg, Giuseppina Conti, Dick Brundle

<https://drive.google.com/file/d/0B6dByKKywHPzVIQxYVv3V0dndmc>

546-Dick Brundle (continued), Hendrik Bluhm, Slavo Nemsak, Peter Fischer (greetings from elsewhere), Kai Liu, Daria Eiteneer Harmon, Chuck

<https://drive.google.com/file/d/0B6dByKKywHPzUjFyWTJJU0tneG8>

Party at the Temescal Beach House:

Hula videos by Shozo Kono: very clear and nice

<https://www.youtube.com/watch?v=cEWXpNoUcq4>

https://www.youtube.com/watch?v=R8HOJBvmA_I

360 degree hula videos by Slavo Nemsak:

<https://drive.google.com/open?id=0B6dByKKywHPzWVJLTlpGN3lyY3c>

<https://drive.google.com/file/d/0B6dByKKywHPzemlRN3BvdmVCSHc>

<https://drive.google.com/file/d/0B6dByKKywHPzRXE2U1VuVU1IU1E>

<https://drive.google.com/file/d/0B6dByKKywHPzbIN1U2FFME41eUE>

And other 360 degree virtual reality images by Slavo:

<https://drive.google.com/file/d/0B6dByKKywHPzR3NpQk5sQ3VmODg>

<https://drive.google.com/file/d/0B6dByKKywHPzcE5GYm9Sb0FDbe0>

<https://drive.google.com/file/d/0B6dByKKywHPzUI9nekJODmdUN0k>

<https://drive.google.com/file/d/0B6dByKKywHPzVnIZMTIDNE1OTkE>

<https://drive.google.com/file/d/0B6dByKKywHPzNFBwUzROdTdua0k>

<https://drive.google.com/file/d/0B6dByKKywHPzSkVpTXIOTFI5QIE>

<https://drive.google.com/file/d/0B6dByKKywHPzendVUzIjbjRTaW8>

Party videos, including the roast, by Dawn Hawk, posted at her YouTube channel- Durga Ji, and by Kai Liu on Youtube:

Music:

Faith Ako band-1st song: <https://www.youtube.com/watch?v=duAaFG-bE7c>

Faith Ako band 2nd song: <https://www.youtube.com/watch?v=4X4ZmleYnm0>

Faith Ako band last song: https://www.youtube.com/watch?v=8_ncf1rBUyY

Videos from the roast:

Zahid Hussain: <https://www.youtube.com/watch?v=6mOL9NFuTQ4>

Brent Hermsmeier: <https://www.youtube.com/watch?v=qh239e8WEAk&feature=youtu.be>

Erin Phipps & Georgia Holtz: https://www.youtube.com/watch?v=zPsTRa4et_I

Peter Eisenberger-partial: <https://www.youtube.com/watch?v=EliLqxYfUSk>

Chuck has his say by Kai- partial: https://youtu.be/hE_J6lKyWE0

(No videos, unfortunately, of Erich Ippen, Paul Johnson, Claire Putnam, Adam Woltag)

Other party photos and videos: From Shirley Chiang, Giuseppina Conti, Others, with talks, Dropbox (folder - Chuck75_uploads), many things. This folder

https://www.dropbox.com/home/Chuck75_Uploads

available through this Dropbox link:

<https://www.dropbox.com/sh/serbqwydg53jb7s/AADmYxGwd4GjGaeR9xuschR4a?dl=0>