



Alternate Careers in Physics: Applied Physics Graduate Students (Carter/Alers Lab)

- 1) **Alison Breeze** (Ph.D. 2000), Senior Research Scientist Solexant, CA
- 2) **Beat Ruhstaller** (Ph.D. 2000), Professor of Computational Physics, Zurich Univ. of Applied Sciences, Switzerland. Also Founder and Chairman at Fluxim AG
- 3) **Luisa Bozano** (Ph.D. July 2001), Manager, IBM Almaden Research Center, San Jose, CA
- 4) **Cristian Ionescu** (Ph.D. 2001), CTO of Fluxion Biosciences, CA
- 5) **Yuko Nakazawa** (Ph.D. 2004), Scientist at Add-vision (currently on maternity leave)
- 6) **Eric Jones** (M.S. 2003), Product Engineer Validity Sensors, CA
- 7) **Stephanie Chasteen** (Ph.D., 2005), Freelance Science Education, CO
- 8) **Janelle Leger** (Ph.D. June, 2005), Ass. Professor Physics, Western Washington Univ.
- 9) **Melissa Kreger** (Ph.D. 2001), Senior Research Scientist at Nanoscale Components, MA
- 10) **Daniel Simon** (Ph.D. 2007), Asst. Research Professor at Linkoping University, Sweden
- 11) **Amanda Holt** (Ph.D., 2007), Project Scientist, UCSB
- 12) **Veronica Sholin** (Ph.D., 2007), maternity leave
- 13) **Michael Griffo** (Ph.D., 2009), Associate at Barclay's Capital, NY
- 14) **Jeremy Olson** (Ph.D., 2009), Research Scientist, APV Research, CA
- 15) **Ingrid Anderson** (Ph.D., 2010), Postdoc, Colorado School of Mines RE-MRSEC, CO
- 16) **Yvonne Rodriguez** (Ph.D., 2009), Director of Programs SACNAS, CA
- 17) **Rebekah Graham** (Ph.D. 2011), Postdoc., National Renewable Energy Labs, CO
- 18) **Joyce Zhou** (Ph.D. 2011), Research Scientist, AQT Solar, CA
- 19) **Lily Yang** (Ph.D. 2010), Postdoctoral Fellow, Naval Research Labs, Maryland
- 20) **Chris France** (Ph.D. 2011), Reliability Scientist, Alta Devices, CA

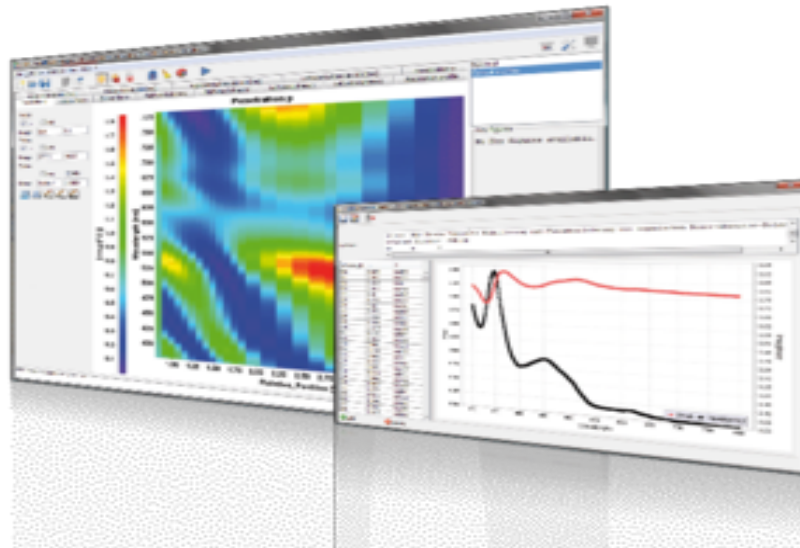


Professor and Entrepreneur: Beat Ruhstaller

**Professor and Director of Institute for Computational Physics,
Zurich University of Applied Sciences
Founder and Chairman, Fluxim**

Education: Diploma in Physics from ETH Zurich,
Ph.D. degree in Physics from UCSC
Postdoc: IBM Almaden and Zurich
Executive MBA from the Zurich University Applied Sciences

www.fluxim.com





Technical Manager: Luisa Bozano

Research Staff Manager and Manager,
IBM Almaden Research Center

Education:

Laurea, Genova, Italy (high energy)

Postdoc, UCSC (applied physics)

Ph.D., UCSC



<http://www.youtube.com/watch?v=RBJYYRUz5XI>



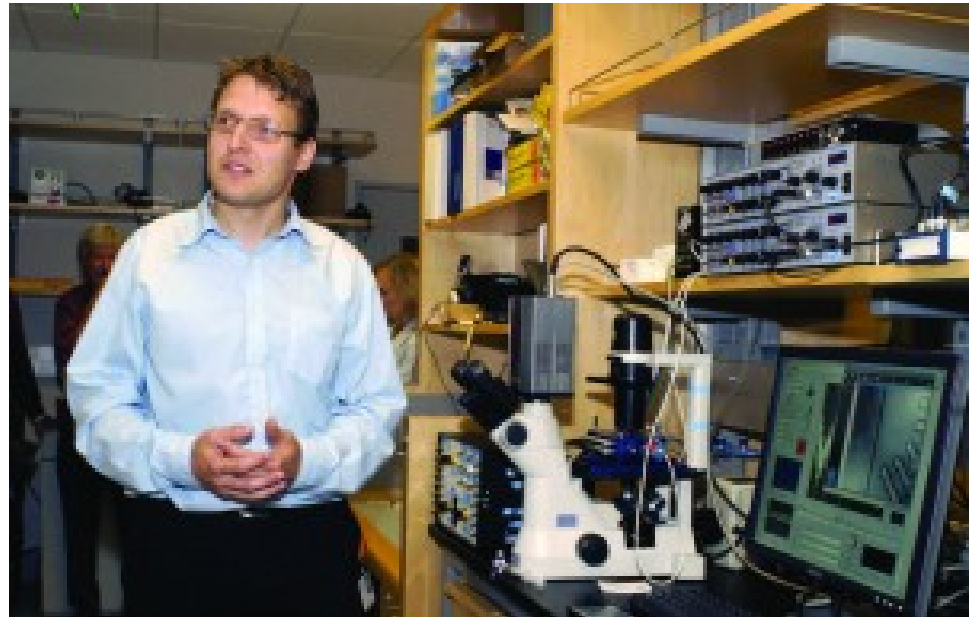
Founder and Chief Technical Advisor: Christian Ionescu Zanetti

CTO, Fluxion Biosciences

Education:

Ph.D, UCSC

Postdoc UCSB, UCB



www.fluxionbio.com/



Freelance and Science Education: Stephanie Chasteen

Freelance & Consultant, Science Geek Girl

<http://sciencegeekgirl.com/>

Education: BA in Psychology
Peace Corp (Guinea, 2 years)

www.friendsofguinea.org

Ph.D. UCSC

Postdoc Exploratorium

Science Teaching Fellow, CU, Boulder





The Finance (\$\$) Path: Michael Griffo

Associate, Barclay

Education:

Ph.D. UCSC

Postdoc: UCSC, Add-vision

Type of Work:

Credit quantitative analytics on algorithmic market making in CDS indices and bonds.

Modeling low frequency trade arrival rates and inventory based corrections to market value.





The Program Manager Path: Yvonne Rodriguez

Director of Programs SACNAS
(Society for Advancement of
Chicanos and Native Americans
In Science)

Education:
BS, PhD and Postdoc at UCSC

Type of work:
Many trips to Congress to talk to law makers
about engaging hispanics and native americans in STEM fields
Organizing SACNAS meetings and annual Conference





Industrial Research Scientist: Chris France

Reliability Scientist, Alta Devices

<http://www.altadevices.com/>

Education:
PhD UCSC

Type of Work:
Research to understand the basic failure
modes of high efficiency photovoltaic devices.

Tuesday, June 21, 2011

Alta Devices Breaks Solar-Cell Record

Silicon Valley startup gives details about its technology for making highly efficient yet inexpensive solar cells.

By Kevin Bullis

A startup that has been working in stealth mode for several years says it has achieved a record solar-cell efficiency of 28.2 percent, nearing the theoretical maximum of 33.5 percent. The mark is roughly 2 percentage points higher than a record set last year—a major advance in an industry that typically measures improvements in tenths of a percent. Alta Devices, founded in 2007 and based in Santa Clara, California, says its innovative techniques lend themselves to large-scale manufacturing.

