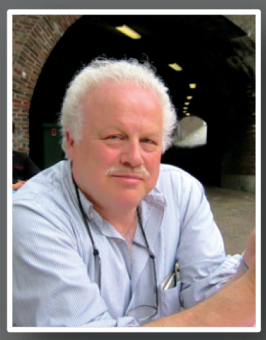
SCHOOLNOVA AT STONY BROOK
IS PROUD TO PRESENT

CafeNova AT STONY BROOK

TUESDAY
JANUARY 15
6 TO 9 PM

Our guests are Harold Metcalf and Eden Figueroa, both professors of the Department of Physics and Astronomy in Stony Brook University. Their research is about light interacting with quantum matter. We plan to talk about lasers, laser cooling, quantum technology, quantum information as well as life in academia and opportunities for future physics students.



Harold Metcalf

is working in the field of laser cooling and interactions of light with quantum matter.

The laser cooling is a technique in which a laser beam is shined on atoms and cools them down to temperatures of microkelvins, where quantum mechanical properties can be experimentally observed. Harold is one of the pioneers of laser cooling and one of the authors of the book "Laser Cooling and Trapping". He is a founder of the Stony Brook Laser Teaching Center. He enjoys equally his research and interactions with students. More than 40 students defended their Ph.D. Theses under Harold's supervision.

Eden Figueroa

is working in the field of quantum information and quantum technology.

He is developing quantum memory and quantum networks for future communications and quantum processes. He is building unique room temperature quantum devices in his lab in Stony Brook.

If you are a High School student who considers Mathematics and/or Science as your career, you are invited to visit CafeNova at Stony Brook, on the 1st Tuesday of every month, January to May.

Each month you will meet with like-minded peers, undergraduate and graduate researchers from Stony Brook University, as well as postdoctoral fellows and faculty from SBU and other universities, scientists from Brookhaven National and Cold Spring Harbor Labs in an informal setting!

CafeNova in Stockholm

***BYOQ: Bring Your Own Questions!**

CafeNova Menu:

Coffee
Tea
Cookies and Pastries

CafeNova Specials:

Great Time
Interesting People
Engaging Discussions

Hosted by:

Tatiana Portnaya, Ph.D. and
Marina Polonskaia, Ph.D.

Moderated by:

Sergey Suchalkin, Ph.D.
an Assistant Professor of the Department of Electrical and Computer Engineering in Stony Brook

Alexander Abanov, Ph.D.
Professor of the Physics and Astronomy Department, Deputy Director of Simons Center for Geometry and Physics.

Where:

Stony Brook University
Department of Mathematics
Basement Level – S240

When:

6 pm to 9 pm

On the 1st Tuesday of every month, January to May:

January 15,
February 5,
March 5,
April 2,
May 7

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