

April 7, 2022

Professor Donna Strickland

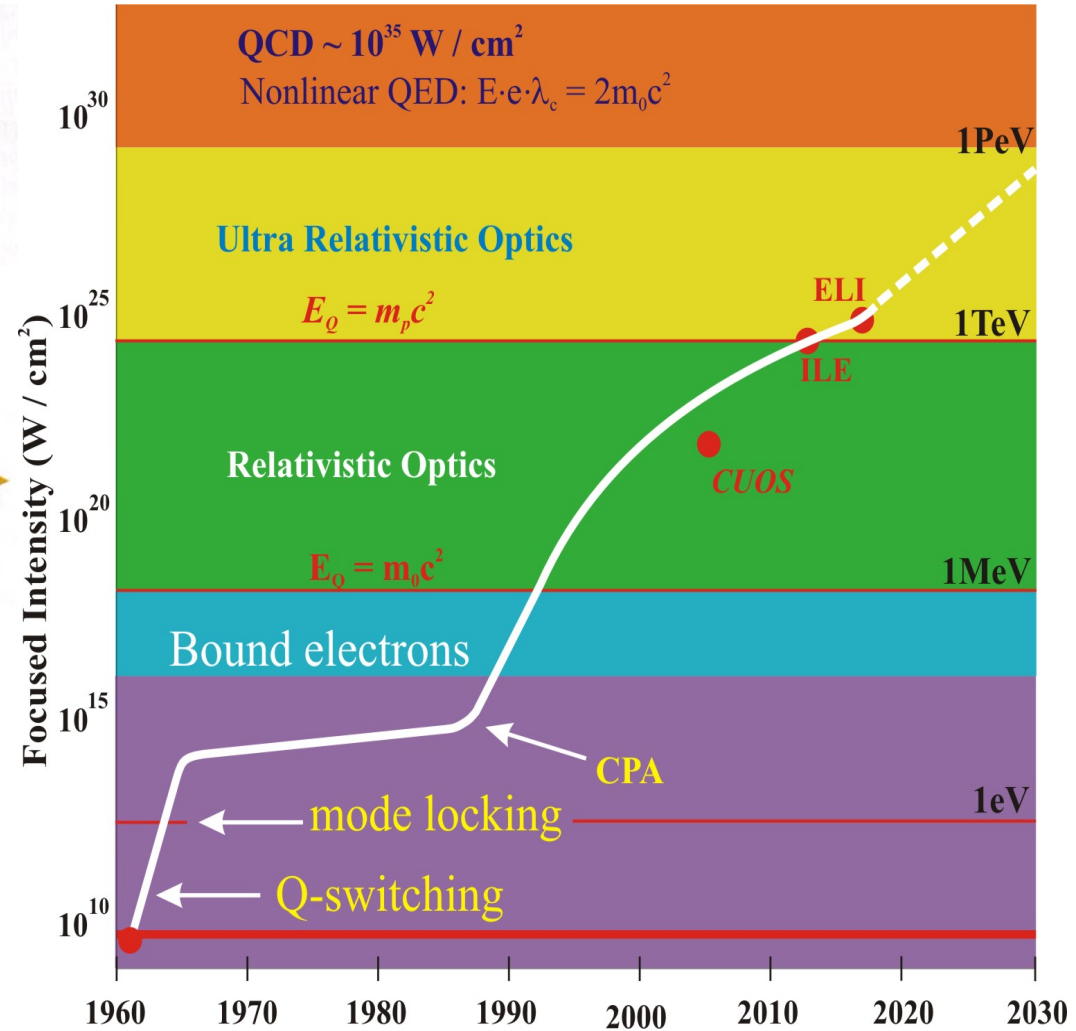
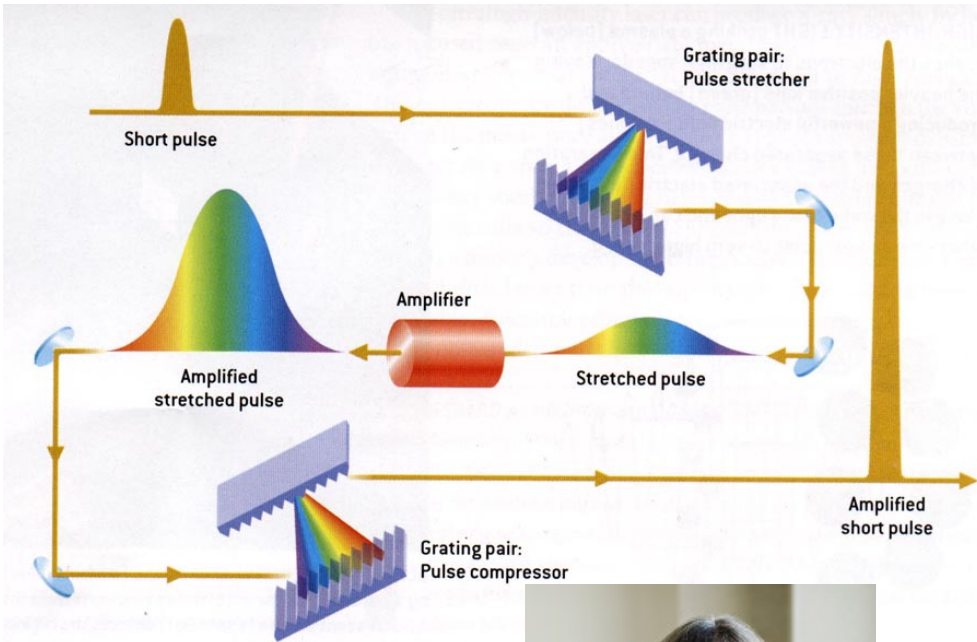
Department of Physics and Astronomy, University of Waterloo, Canada

Department Colloquium of Physics and Astronomy

also

2022 Norman Rostoker Distinguished Lecture

Enabling technology: **laser** revolution



Donna Strickland realized **Chirped Pulse Amplification** (1985) with G. Mourou
Laser intensity exponentiated since,
 to match the required intensity for various needs (such as LWFA)
 and opened up new fields such as high field science, medical applications
 such as Lasik.

Nobel Laureate in Physics (2018)

Donna Strickland and laser in her lab:



At the Nobel Committee(2018)

- PhD in U. Rochester, where CPA invented (1985)
 - Optica President (2013) (fellow of Optica)
- etc. etc.

Strickland served as the president of the Optica in 2013 and is a fellow of Optica, SPIE, the Royal Society of Canada and the Royal Society. She is an honorary fellow of the Canadian Academy of Engineering and the Institute of Physics, an international member of the US National Academy of Science and member of the Pontifical Scientific Academy. Strickland was named a Companion of the Order of Canada.

From the past Norman Rostoker Distinguished Lecture to Today's



→ **Donna today**

2019 NRDL