



Contribution ID: 275

Type: talk

## Future perspectives on short wavelength FELs

*Friday, 20 September 2019 11:00 (40 minutes)*

X-ray free-electron lasers are the brightest sources of X-rays, with a peak power that is several orders of magnitude larger than synchrotron radiation facilities and table-top high-harmonic sources.

From the development of high-repetition rate machines to the advent of femtosecond and attosecond pulse shaping, XFELs are the subject of a vigorous research effort worldwide.

At the same time, research on advanced accelerators promises to shrink the size of these high-energy machines to university-scale laboratories.

In my presentation I will talk about current trends in X-ray free-electron laser research and discuss my view on future directions for large scale FEL facilities as well as compact machines.

**Primary author:** MARINELLI, Agostino (SLAC)

**Presenter:** MARINELLI, Agostino (SLAC)

**Session Classification:** Plenary Session 10

**Track Classification:** Invited Plenary Talk