Contribution ID: **33** Type: **not specified**

3D printing accelerator structures

The development of compact millimeter-scale structures has broad applications in accelerator science including particle acceleration, diagnostics, beam manipulation and wakefield generation. The student will support the development of such structures via simulations backed with production and structure testing using our radiofrequency and laser based THz sources. The student will participate and work amongst other students, postdocs and staff to gain experience in a real accelerator laboratory at REGAE while carrying out this research which will be implemented in the accelerator.

Field

A5: Lasers and optics (methodology oriented)

DESY Place

Hamburg

DESY Division

M

DESY Group

MXL

Special Qualifications:

Understanding of electromagnetics, and simulation experience would be useful.

Primary author: LEMERY, Francois (MXL (XFEL))