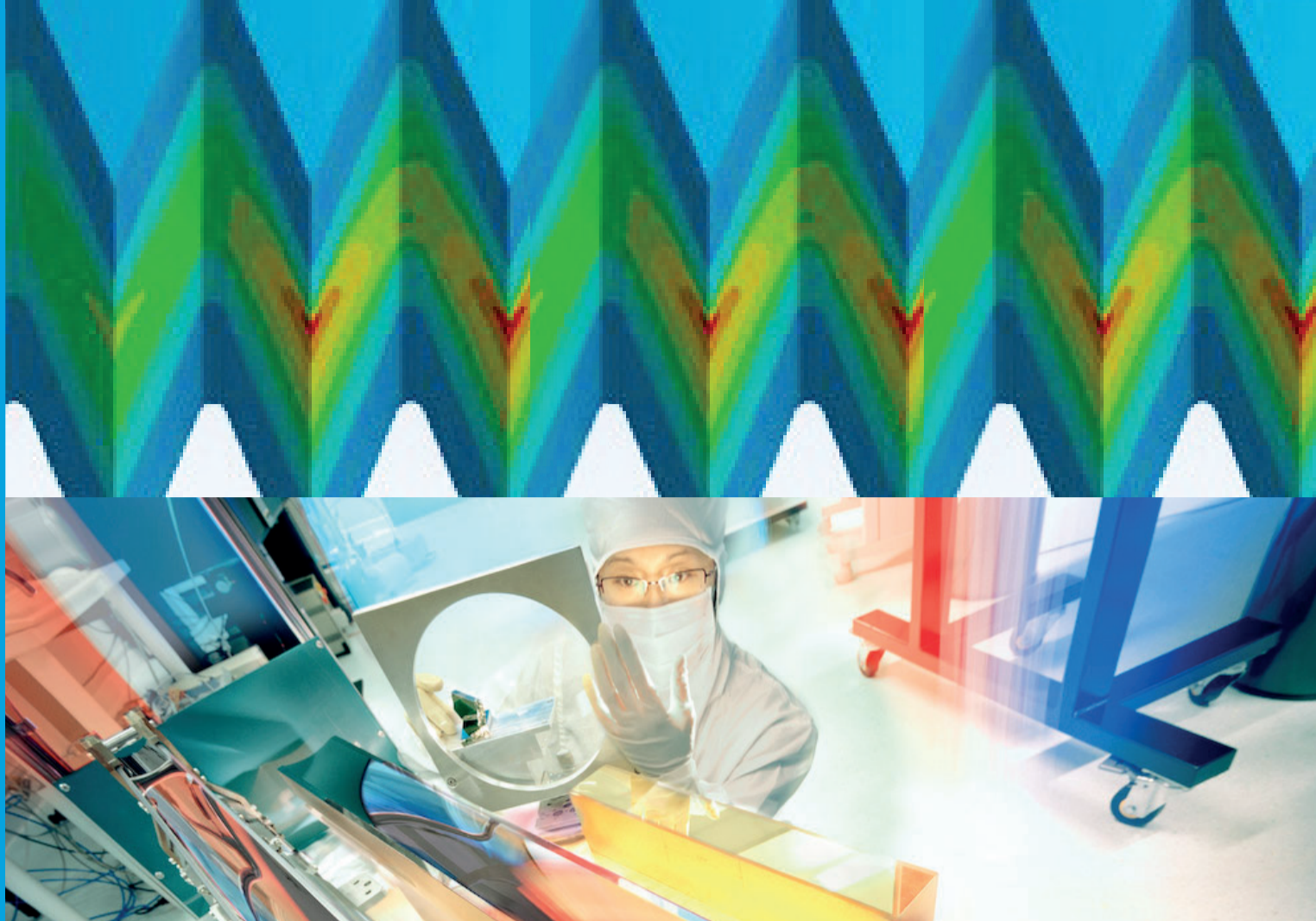


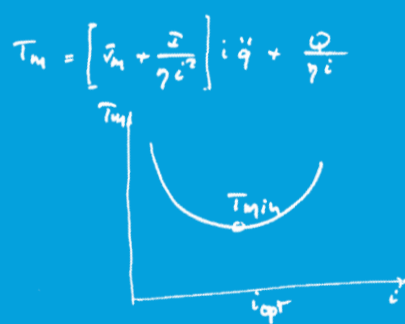
ESRF Grenoble 21-25 oct. 2019

The European Synchrotron
<http://www.esrf.eu>

MEDSI SCHOOL 2
medsi-school2@esrf.fr



MEDSI SCHOOL 2



$$\Delta P = \gamma \frac{L}{d} \frac{e \sqrt{v}}{2}$$

$$M \ddot{x} + kx = -[\mu_0 - \dot{x} x] N + k v t$$

Electron and photon dynamics
and storage ring physics

Thermal physics involving high
heatload, and thermal stability

Beamline optic simulation
using Oasys package

X-ray optics

Opto-Mechanics for optics

Fluid physics of cooling

Material analysis keys
for best operation

High precision design

Mechatronics

MEDSI School 2 is dedicated to
mechanical design of synchrotron
instrumentation.

The fundamentals lectures will be given
mainly in the mornings, while application
cases and hands-on tutorials will be
organised in the afternoons.