



TECHNISCHE UNIVERSITÄT
IN DER KULTURHAUPTSTADT EUROPAS
CHEMNITZ

Institut für Physik

Physikalisches Kolloquium



Donnerstag, 23.05.2024, 15:30 Uhr

Ort: Reichenhainer Str. 90;

Zentrales Hörsaal- und Seminargebäude, Raum C10.013

Prof. Dr. Gaetano Assanto

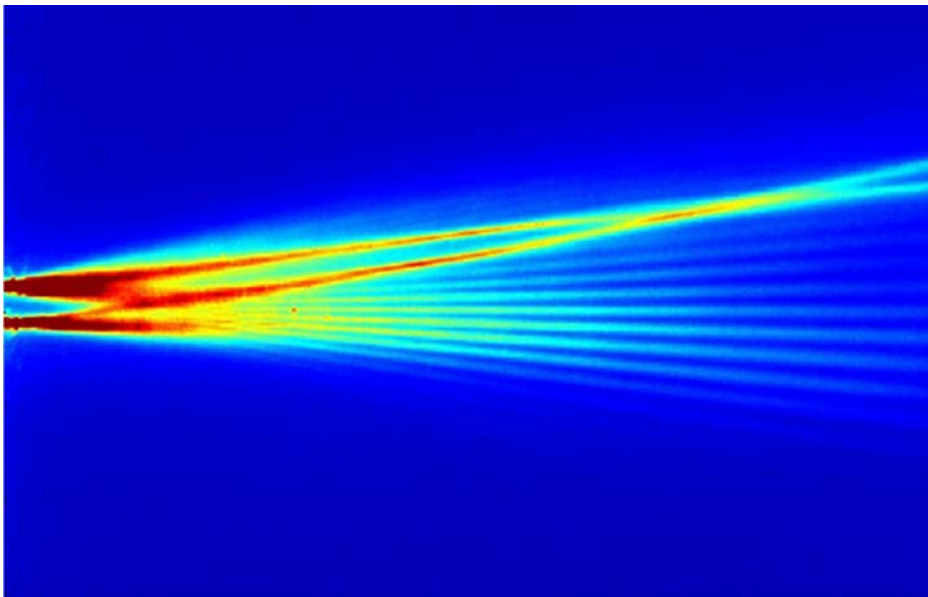
Nonlinear Optics and OptoElectronics Lab

University Roma Tre - Italy

Nematicons, from optics to photonics

The talk will present an overview on the fundamentals of optical spatial solitary waves in nematic liquid crystals -namely nematicons-, outlining their basic properties and features in the nonlocal reorientational regime, relevant phenomena and potential applications.

Among them collisional interactions, refraction and reflection, electrical and magnetic routing, optical bistability, permanent waveguides, random lasing. Emphasis will be given to the physics inherent to the described effects, illustrating it with experimental results.



Alle Zuhörer sind ab 15:15 Uhr zum Kaffee vor dem Hörsaal eingeladen.

Informationen zum Vortrag erteilt:
Prof. Dr. Günter Radons (radons@physik.tu-chemnitz.de)



www.tu-chemnitz.de/physik