

# Einladung zum Würzburger Mathematischen Kolloquium

Julius-Maximilians-Universität Würzburg • Fakultät für Mathematik und Informatik

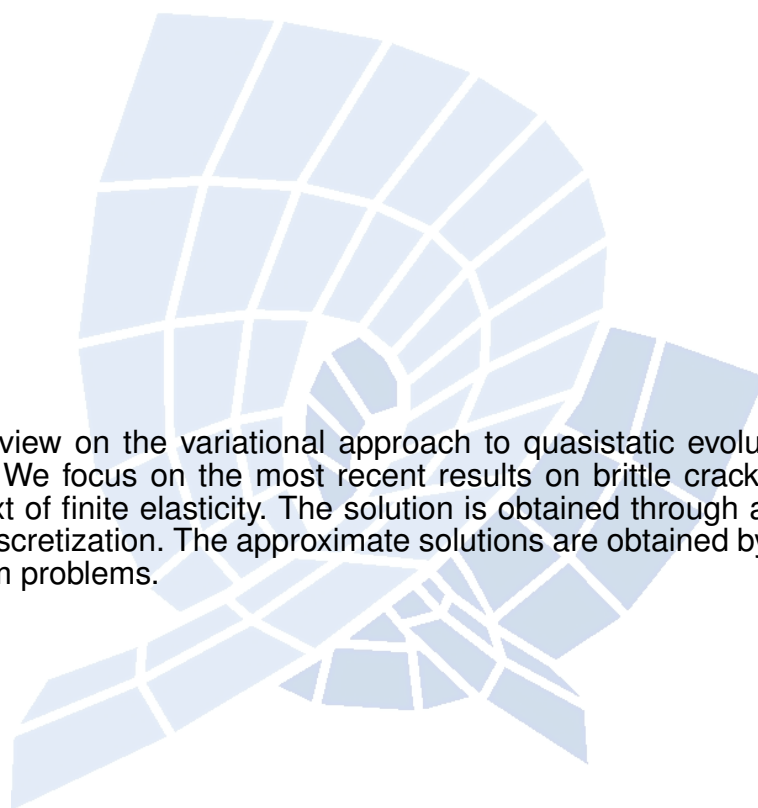
Prof. Dr. Gianni Dal Maso

Scuola Internazionale Superiore di Studi Avanzati, Trieste

## An Introduction to Variational Methods in Fracture Mechanics

Mittwoch, den 12. Jan. 2014 • 14:30 Uhr

Bibliotheks und Seminar Zentrum, Josef-Martin-Weg 64, Hubland Nord, Hörsaal 0.108



### Inhaltsangabe

We present an overview on the variational approach to quasistatic evolution problems in fracture mechanics. We focus on the most recent results on brittle cracks in hyperelastic bodies, in the context of finite elasticity. The solution is obtained through an approximation procedure by time discretization. The approximate solutions are obtained by solving suitable incremental minimum problems.



[www.mathematik.uni-wuerzburg.de/kolloquium.html](http://www.mathematik.uni-wuerzburg.de/kolloquium.html)

Zu diesem Vortrag laden wir Sie herzlich ein.

Die Dozentinnen und Dozenten der Mathematik

