

# Interactions of complex geometry and Cauchy-Riemann geometry

Köln, November 18-20, 2021

## Thursday, November 18<sup>th</sup>

- 10:00-10:45 Welcome participants.
- 10:45-11:45 George Marinescu (Köln), *Asymptotics of the Szegö kernel and embedding of CR manifolds.*
- 13:45-14:30 Laurent Stolovitch (Nice), *Geometries thought some aspects of local holomorphic dynamical systems I.*
- 14:30-15:30 Dan Popovici (Toulouse), *Balanced Hyperbolic and Degenerate Balanced Compact Complex Manifolds.*

## Friday, November 19<sup>th</sup>

- 10:30-11:30 Duc Viet Vu (Köln), *Growth of Bergman kernels associated to measures supported on generic Cauchy-Riemann submanifolds.*
- 11:30-13:30 Lunch break
- 13:30-14:30 Stéphanie Nivoche (Nice), *About Nagata's and SHGH's conjectures.*
- 14:30-15:00 Coffee break.
- 15:00-16:00 Judith Brinkschulte (Leipzig),  *$L^2$  estimates with applications to CR manifolds and foliations.*
- 16:00-18:00 Free discussion among participants.

## Saturday, November 19<sup>th</sup>

- 10:00-10:45 Laurent Stolovitch (Nice), *Geometries thought some aspects of local holomorphic dynamical systems II.*

- 10:45-11:30 Open problems in complex geometry and CR geometry I.
- 11:30-13:30 Lunch break
- 13:30-15:00 Open problems in complex geometry and CR geometry II.