

# Quang-Tuan DANG

*Postdoc at ICTP*

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🌐 [quangtuandang.github.io/Webpage/](https://quangtuandang.github.io/Webpage/)

## Research Interests

Complex and Differential Geometry, geometric analysis and PDEs, more precisely, complex de Monge-Ampère equations, canonical metrics, and geometric flows

## Employment

2022– **Postdoc**, *International Centre for Theoretical Physics (ICTP), Italie*

## Education

2019–2022 **Doctorat de Mathématiques Fondamentales**, *LMO, Université Paris-Saclay*

**Title:** Pluripotential Monge-Ampère flows

**Advisors:** Hoang-Chinh LU & Vincent GUEDJ

2017–2019 **Master de Recherche en Mathématiques Fondamentales**, *Université Paris-Saclay*

2013–2017 **Bachelor of Education**, *Hanoi National University of Education*

Excellent, Mathematics

## Publications et preprints

*Hermitian null loci* (avec Tat-Dat Tô), in preparation

*Kähler-Einstein metrics via Bergman kernels* (avec Tat-Dat Tô), in preparation

2023 *Kähler-Einstein metrics on quasi-projective manifolds* (avec Duc-Viet VU), arXiv:2309.03858

*Singularities of Chern-Ricci Flows*, arXiv:2305.16461

*Continuity of Monge-Ampère Potentials with Prescribed Singularities*, **J. Geom. Anal.** **33**, 318 (2023).

2022 *Pluripotential Chern-Ricci Flows*, to appear in **Indiana Univ. Math. J.**

2021 *Pluripotential Monge-Ampère flows in big cohomology classes*, **J. Funct. Anal.** **282** (2022), no. 6, Paper No. 109373, 65 pp.

*Continuity of Monge-Ampère Potentials in Big Cohomology Classes*, **Int. Math. Res. Not. IMRN** **2022**, no. 14, 11180–11201.

## Talks

Sep. 2023 Workshop: Geometric flows on complex manifolds, 11-15 Sep, Cortona (Italy)

Juin 2023 ICTP-IGAP seminar, Trieste, Italy

Fev. 2023 Complex Geometry seminar, Cologne, Germany  
 Janv. 2023 Analysis Seminar, Institut de Mathematiques, VAST, Hanoi, Vietnam  
 Nov. 2022 ICTP-IGAP seminar, Trieste, Italy  
 Juin 2022 International Workshop, AIAS, Aarhus, Denmark  
 Juin 2022 MARGE Workshop, IMAG, Montpellier, France  
 Avril 2022 IGA seminar, University of Maryland, New York, United State  
 Nov. 2021 Informal Workshop: Balanced metrics and Monge-Ampere masses, Parma, Italy  
 Oct. 2021 Séminaire de Géométrie Complexe, IMT, Toulouse  
 Juin 2021 Journée doctorale: Analyse, LMO, Orsay, France

## Service

Referee for: International Mathematics Research Notices, Acta Mathematica Vietnamica, Complex Manifolds, Complex Analysis and Operator Theory, Analysis & PDE

*Reviewer* for MathSciNet

## Teaching

2023-2024 Partial Differential Equations (9h TD)  
 2022-2023 Partial Differential Equations (9h TD)  
 2021-2022 Analyse 3 en L2 (TD 36h), Mathématiques en L1 (32h TD), Python (6h TP)  
 2020-2021 Mathématiques en L1 (62h TD)

## Languages

Vietnamese (mother tongue), Anglais (fluent), Français (fluent), Italien (intermediate), Chinois (basic)

## Informatic

L<sup>A</sup>T<sub>E</sub>X, langue html, Python, Microsoft Office

## Other interests

Vietnamese and Chinese literature

European culture: cinema, literature, music