Chen GONG

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POSTDOC, INSTITUTE FOR THEORETICAL SCIENCES, WESTLAKE UNIVERSITY

EDUCATION

Ecole Polytechnique, Palaiseau, France
Phd student, under the supervision of Charles Favre — September 2021 - September 2025
Université de Paris-Saclay, Orsay, France
Master 2 in Mathematics — September 2020 - August 2021
Universté de Franche-Comté, Besançon, France
Master 1 in Mathematics — September 2019 - June 2020
Wuhan University, Wuhan, China
B.S in Mathematics — September 2016 - June 2020

EMPLOYMENT

Westlake University, Hangzhou, China
Postdoc — November 2025 - present
Ecole Polytechnique, Palaiseau, France
Postdoc — September 2025

RESEARCH PAPERS

Multiplier scales of a sequence of rational maps, submitted, arxiv: 2510.25029
Non-Archimedean techniques and dynamical degenerationsn(Joint work with Charles Favre), Peking Mathematical Journal 1-63 DOI:10.1007/s42543-025-00100-7

TEACHING

Teaching assistant of Complex analysis at Westlake University. — 2025

Teaching assistant of Introduction to analysis at École Polytechnique. — 2020 - 2024

TALKS

Multiplicateurs d'une suite de fractions rationnelles, IMT, Toulouse, France — Septembre 2025
Non Archimedean techniques in the study of degenerating sequences, Cirm, Marseille, France — January 2025
Dégénérescences d'une suit de fractions rationnelles, Laboratoire Paul Painlevé, Lille, France — November 2024
Multiplicateurs et rescaling limites, IMJ, Paris, France, — December 2024
Convergence of metrics of constant curvature in the hybrid space, Institut Henri Poincaré, Paris, France — September 2024
Non-Archimedean techniques and dynamical degenerations , Westlake University, Hangzhou, China — August 2024
Non-Archimedean techniques and dynamical degenerations, Institute for Advanced Study in Mathematics of HIT, Harbin, China — August 2024

CONFERENCES AND WORKSHOPS

Conference of Complex Analysis in China 2025, Huzhou University, Huzhou, China — October 2025
Degeneration of flat surfaces and rational maps, Institut de Mathématiques de Toulouse, Toulouse, France — June 2025
Arithmetic Geometry in Cabourg, Cabourg, Normandy, France — May 2025
Tangent to the Identity Germs and Affine Surfaces, Institut de Mathématiques de Toulouse, Toulouse, France — January 2025
Etats de la recherche: Dynamique arithmétique, algébrique, et analytique, Cirm, Marseille, France — January 2025
Seminar in Arithmetic and Algebraic Dynamics, IMJ, Paris, France, — 2023 - 2024

Complex Dynamics and Complex Geometry, Laboratoire Amiénois de Mathématique Fondamentale et Appliquée, Amiens, France — *June 2024*

Centro di Ricerca Matematica Ennio De Giorgi, Pise, Italie — *May 2024*

Workshop SINTROP, CMLS, Palaiseau, France, — *March 2024*

ERC GOAT Dynamique, IRMAR, Rennes, France — *November, 2023*

Facets of Complex Dynamics, IMT, Toulouse, France — *June 2023*

Topics in Complex Dynamics 2023, Universitat de Barcelona, Barcelona, Spain — *June 2023*

Groupe de travail Dynamique Arithmétique, IMJ, Paris, France — *January 2023 - April 2023*

ANR Padawan Project first meeting, Institut Denis Poisson, Orléans, France — *January 2023*

Conference on Complex Analysis, Complex Geometry and Dynamics, in memory of Sibony, IMO, Orsay, France — *November 2022*

Complex Geometry, Dynamical Systems and Foliation Theory Géométrie complexe, systèmes dynamiques et théorie de feuilletages, CIRM, Marseille, France — *October 2022*

Journées ANR Fatou, Institut Denis Poisson, Orléans, France — *June 2022*

Complex Dynamics: from special families to natural generalizations in one and several variables, MSRI, USA — *Mai 2022*

Quantitative aspects in complex analysis, geometry and dynamics, Laboratoire Paul Painlevé, Lille, France — *October 2021*