

# Zhehui Wang

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## Employment

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### Great Bay University

07/2023 – Now

Assistant Professor at School of Sciences

### Chinese Academy of Sciences

07/2021 – 07/2023

Postdoc Member at Academy of Mathematics and Systems Science

Under the sponsorship of [Feimin Huang](#)

## Education

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### Peking University

09/2016 – 07/2021

Ph.D. in Pure Mathematics, under the supervision of [Qing Han](#)

- Thesis title: Global and asymptotic behaviors of solutions of second order elliptic equations in unbounded domains

### Xiamen University

09/2012 – 07/2016

B.S. in Mathematics and Applied Mathematics

- GPA: 3.94/4.0 (Ranking: 1 / 77)
- Thesis title: An equivalent characterization of BMO with Gauss measure

### University of Notre Dame

09/2019 – 11/2020

Visiting Student

### Peking University

09/2015 – 01/2016

Visiting Student

## Publications

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- Ill-posedness of the Dirichlet problem for 2D Lagrangian mean curvature equation (joint with Wentao Cao) submitted, 2024.
- Solutions of the minimal surface equation and of the Monge-Ampère equation near infinity (joint with Qing Han) *Journal für die reine und angewandte Mathematik (Crelle's Journal)*, to appear.
- Stability of Edelen-Wang's Bernstein type theorem for the minimal surface equation (joint with Guosheng Jiang and Jintian Zhu) *Journal of Functional Analysis*, 284 (2023), no. 6, Paper No. 109821.
- A Bernstein-type theorem for minimal graphs over convex domains (joint with Nick Edelen) *Annales de l'Institut Henri Poincaré C, Analyse Non Linéaire*, 39 (2022), no. 3, 749–760.
- Liouville type theorems for the minimal surface equation in half space (joint with Guosheng Jiang and Jintian Zhu) *Journal of Differential Equations*, 305 (2021), 270–287.
- An equivalent characterization of BMO with Gauss measure (joint with Dongyong Yang) *Frontiers of Mathematics in China*, 12 (2017), 749–768.

## Grants

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Young Scientists Fund of National Natural Science Foundation of China	<i>2025 – 2027</i>
Guangdong Basic and Applied Basic Research Foundation	<i>2024 – 2026</i>
China Postdoctoral Science Foundation	<i>2022 – 2023</i>
The Special Research Assistant Project at Chinese Academy of Sciences	<i>2021 – 2023</i>

## Honors and Awards

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Excellent Graduate Award (at Peking University)	<i>2021</i>
BICMR Mathematical Scholarship for Graduate Students (at Peking University)	<i>2021</i>
National Scholarship (at Peking University)	<i>2017 &amp; 2020</i>
President Scholarship for Doctoral Students (at Peking University)	<i>2020</i>
May-Fourth Scholarship (at Peking University)	<i>2018</i>
National Scholarship (at Xiamen University)	<i>2014</i>
National Top-notch Students Scientific Development Pilot Program in Mathematics	

## Teaching

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### At Great Bay University

- Differential operators on Riemannian manifolds (18 hours online course) *Spring 2024*

### At Peking University

- TA for Complex Analysis *Spring 2019*
- TA for Partial Differential Equations *Fall 2018*
- TA for Calculus *Fall 2017 & Spring 2018*
- TA for Real Analysis *Spring 2017*
- TA for Mathematical Analysis *Fall 2016*