

Verebale Commissione Book Prize Springer-UMI 2023

La commissione, composta da Piermarco CANNARSA, Enrique FERNANDEZ-CARA, Camillo DE LELLIS, Elisabetta ROCCA e Susanna TERRACINI e presieduta da Piermarco Cannarsa, ha iniziato i suoi lavori a partire dal 24 febbraio 2024 e ha operato per via telematica concludendo i suoi lavori il 22 maggio 2024.

La commissione, dopo aver preso visione del regolamento del Premio e del relativo Bando, ha esaminato le due domande di partecipazione trasmesse dalla segreteria dell'UMI, relative alle monografie:

- **Elliptic Partial Differential Equations from an Elementary Viewpoint: What the Laplacian is Good For** di Serena DIPIERRO ed Enrico VALDINOCI,
- **Introduction to Inverse Problems for Evolution Equations: Stability and Uniqueness by Carleman Estimates** di Masahiro YAMAMOTO .

Dopo ampia ed approfondita discussione, la commissione decide all'unanimità di assegnare il Book Prize Springer-UMI 2023, ex-aequo, a entrambe le monografie succitate con le seguenti **motivazioni**:

Elliptic Partial Differential Equations from an Elementary Viewpoint: What the Laplacian is Good For by *Serena Dipierro and Enrico Valdinoci* is a remarkable work that takes readers on a captivating journey through a variety of delightful applications of elliptic partial differential equations, all while upholding the highest standards of mathematical rigor. While the neophyte will certainly find the material a wonderful introduction to the fascinating aspects of this particular area of mathematics, even the foremost expert will be entertained and surprised by many chapters of this book.

Introduction to Inverse Problems for Evolution Equations: Stability and Uniqueness by Carleman Estimates by *Masahiro Yamamoto* is an outstanding contribution to the field, providing a masterful and self-contained presentation of techniques and results for inverse problems for partial differential equations. Yamamoto, a distinguished expert, offers insightful and detailed explanations of Carleman estimates, showcasing their pivotal role in analyzing uniqueness and stability across various equations. This book is an exceptional resource, serving as both a comprehensive guide and an inspiration for applying these methods to significant real-world problems.

22/05/2024



Piermarco Cannarsa

Presidente della Commissione Giudicatrice