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Welcome

Free boundary problems have vast and important applications in physics, mechanics, biology, engineering, and finance, etc. At the same time, there is a great challenge in their mathematical study which is one of most important fields in contemporary mathematics. The major goal of this summer school is to introduce the basic theory and recent advances for the free boundary problems for young scholars and graduate students from not only theoretical but also applied point of view. All lectures will start from the very basic knowledge and also include the recent research results of the lecturers. We hope that graduate students and young scholar can not only master the basic theory and fundamental techniques, but also understand the frontier research topics for the free boundary problems through this summer school. We believe that the summer school will provide a very good platform for study and communications for young people so that they can get into this field easily.