PhD students and postdoctoral researchers to be supported by a research grant in Istanbul, Turkey. Candidate PhD students should have a good background in mathematical analysis, specifically in complex and functional analysis, and should be motivated to write a PhD thesis and research papers. Postdoctoral researchers are expected to have a PhD in relevant fields. The postdoctoral researcher should be eager to contribute to the research with the other project team.

Project title: Carleson Measures For Sub-Hardy Spaces

Duration: 24 months

Start time: Estimated start time is September 2014.

Deadline: 31 March 2014

Monthly income of the scholars

PhD student                                    1800 TL ‘=’ 595 Euro

Postoctoral researcher                     2600 TL ‘=’ 860 Euro

**In campus housing is available for the scholars free of charge.**

The time for joining the project may be flexible.

Project summary

The subject of the project is analytic function theory in the complex plane. Its main purpose is to adopt and study the Carleson inequalities, which are mostly well-known for the classical Hardy space theory, besides with the reverse Carleson inequalities, in the setup of certain sub-Hardy spaces. As an application boundedness or compactness of the composition and Toeplitz operators will be studied.

Contact information

Gökhan Göğüş

nggogus@sabanciuniv.edu

(216) 483 9615

Sabanci University, Istanbul