НАЦИОНАЛЕН КОЛОКВИУМ
ПО МАТЕМАТИКА

**Поредната сбирка на Колоквиума
ще се състои на 4 септември 2019 г. (сряда)
от 16:15 часа в Заседателната зала на ИМИ – БАН,
София, ул. „Акад. Г. Бончев", блок 8.**

Доклад на тема:

The Squeezing Function

**ще изнесе
Prof. John Erik Fornæss,
Norwegian Academy of Science and Letters,
Norwegian University of Science and Technology, Trondheim.**

Поканени са всички интересуващи се.

Ръководител на Колоквиума: акад. П. Попиванов

Abstract. In complex analysis the most important domain is the unit disc. In fact all domains (at least simply connected and bounded) are biholomorphic, i.e. analytically equivalent, to the disc.

In higher dimension, the natural analogue is the unit ball. But in higher dimension, the general domain is not biholomorphic to the ball. A basic question is then how well a general domain can be approximated by the ball. If we have a ball $\mathbb{B}_r$ of radius $r < 1$ contained in the unit ball $\mathbb{B}_1$, then a domain U with $\mathbb{B}_r$ contained in U contained in $\mathbb{B}_1$ is said to be squeezed between the two balls. The larger we can choose r the closer the domain U is to the ball.