Ideals in F-algebras

Wieslaw Zelazko

Mathematics Institute, Polish Academy of Sciences.

An F-algebra is a topological algebra which is an F-space, i.e. a complete metric t.v.s. In my talk I shall discuss some recent results and some open problems concerning unital F-algebras. The questions I shall deal with are:

1. When all maximal ideals are closed?

2. When all ideals are closed?

3. When there is a dense principal ideal?

A short history of Polish mathematics

Wieslaw Zelazko

Mathematics Institute, Polish Academy of Sciences.

In this talk I shall explain how Poland, having at the beginning of 20th century very modest mathematical traditions, obtained in the period 1919-1939 a relatively good standing in some fields of modern by then mathematics. In a more detailed way I shall describe the Lwow School of functional analysis (the Banach school).