



**KURT GÖDEL RESEARCH CENTER FOR
MATHEMATICAL LOGIC**

UNIVERSITÄT WIEN

1090 WIEN, WÄHRINGER STRASSE 25

O.UNIV.-PROF. DR. SY-DAVID FRIEDMAN



INVITATION

PIOTR SZEWCZAK

(Cardinal Stefan Wyszyński University in Warsaw, Poland)

PRODUCTS OF MENGER SPACES

Abstract:

A topological space X is Menger if for every sequence of open covers O_1, O_2, \dots there are finite subfamilies F_1 of O_1, F_2 of O_2, \dots such that their union is a cover of X . The above property generalizes σ -compactness. We provide examples of Menger subsets of the real line whose product is not Menger under various set theoretic hypotheses, some being weak portions of the Continuum Hypothesis, and some violating it. The proof method is new.

THURSDAY, OCTOBER 20, 2016

Tea at 3:30pm in the KGRC meeting room (room 104)

Talk at 4:00pm in the KGRC lecture room (room 101)

GÖDEL RESEARCH CENTER

JOSEPHINUM, 1090 WIEN, WÄHRINGER STRASSE 25

o.Univ.-Prof. Dr. Sy-David Friedman