ILIJAS FARAH, York University, 4700 Keele Street, Toronto, ON M3J 1P3
The commutant of $B(H)$ in its ultrapower

For an infinite-dimensional separable Hilbert space H let $B(H)$ be its algebra of bounded linear operators. Fix a free ultrafilter U on N and consider the ultrapower of $B(H)$. Eberhard Kirchberg asked whether the commutant of $B(H)$ in its ultrapower is equal to the scalar multiples of the identity. I will answer 3/4 of his question.

This is a joint work with N. Christopher Phillips.