Ben Gurion University – Mathematics

Algebraic Geometry and Number Theory Seminar

Speaker	**Billy Woods (BGU)**
Title	**Iwsasawa Algebras**
Date	Wednesday, 29 March 2017
Time	15:10 – 16:30 (starts 15:10 sharp)
Location	Room -101 in Building 58

Abstract An Iwasawa algebra is the completed group algebra kG of a compact p-adic analytic group G, over an appropriate (usually profinite) commutative ring k. These form a large class of rings with nice properties: for example, they are semilocal and noetherian. I will define these objects, briefly outline how and why they arose (in their commutative form) in number theory, and then explain some of what is known about their algebraic properties.

(updated 22 Mar 2017)