

## Paul Baum's 2015 Talks

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------------------------------------------|
| 1. AMS Special Session on Operator Algebras and Their Applications, A Tribute to Richard V. Kadison, Joint Mathematics Meeting, San Antonio, Texas                     | 01.10.15 | “Expanders – Exact and Morita-compatible Crossed Products” |
| 2. AMS Special Session on Hopf Algebras and Tensor Categories, Joint Mathematics Meeting, San Antonio, Texas                                                           | 01.12.15 | “Free Actions of Compact Quantum Groups”                   |
| 3. Operator Algebras Seminar, Dartmouth College, Hanover, NH                                                                                                           | 03.17.15 | “Expanders – Exact and Morita-compatible Crossed Products” |
| 4. Stratified Spaces in Geometric and Computational Topology and Physics, Meeting in honor of Julius Shaneson's 70 <sup>th</sup> Birthday, Univ. of Wisconsin, Madison | 04.01.15 | “Morita Equivalence Revisited”                             |
| 5. Geometry Seminar, Wroclaw University, Wroclaw, Poland                                                                                                               | 05.11.15 | “Expanders and K-theory for Group C* algebras”             |
| 6. Young Researchers Colloquium, IMPAN, Warsaw, Poland                                                                                                                 | 05.15.15 | “The local Langlands Conjecture”                           |
| 7. Non-commutative Geometry Seminar, IMPAN, Warsaw, Poland                                                                                                             | 05.18.15 | “D-branes and Twisted K-Homology”                          |
| 8. Mathematics Graduate Student Colloquium, University of Göttingen, Göttingen, Germany                                                                                | 06.04.15 | “D-branes and Twisted K-Homology”                          |
| 9. Topology Seminar, Mathematical Institute, Oxford University, Oxford, U. K.                                                                                          | 06.08.15 | “Expanders and K-theory for Group C* Algebras”             |
| 10-14. “Intensive Lectures” Graduate School of Mathematical Sciences, The University of Tokyo, Japan (five lectures on index theory)                                   |          |                                                            |
|                                                                                                                                                                        | 07.15.15 | “Dirac Operator”                                           |
|                                                                                                                                                                        | 07.16.15 | “Atiyah-Singer Revisited”                                  |

07.17.15 “What is K-homology?”

07.23.15 “Beyond Ellipticity”

07.24.15 “The Riemann-Roch Theorem”

15-16. Lie Groups and Representation Theory Seminar, Graduate School of Mathematical Sciences, The University of Tokyo (two lectures)

07.14.15 “Morita Equivalence Revisited”

07.21.15 “Geometric Structure in Smooth Dual”

17.-21. Meeting in honor of V. K. Patodi, Tata Institute of Fundamental Research, Mumbai, India (five lectures)

08.03.15 “Dirac Operator”

08.04.15 “Atiyah-Singer Revisited”

08.05.15 “What is K-homology?”

08.06.15 “Beyond Ellipticity”

08.07.15 “The Riemann-Roch Theorem”

22.-23. GAP Seminar, PSU (two lectures)

09.29.15 “D-branes and Twisted K-homology 1”

10.06.15 “D-branes and Twisted K-homology 2”