NITheCS

National Institute for
Theoretical and
Computational Sciences

NITheCS Colloquium
Monday, 11 October 2021, 16h00 – 17h00
Dr Amartya Goswami (UJ)

"An invitation to visit the world of categories"

ABSTRACT

It is needless to say that studying organised things is easier than disorganised ones. Now, the question is at what level we want to organise things? Well, it depends on what we want to study about these things. This general phenomenon is no exception in mathematics. Whenever we are interested to understand the common characteristics of different mathematical structures (like groups, vector spaces, Hilbert spaces, etc) and connections between them, the language we use is nothing other than the language of categories. In this talk, we give a glimpse to how this is done, and also discuss some examples of how the language of categories is applied outside mathematics, in other sciences.

BIOGRAPHY

After obtaining an MSc from Calcutta University (India), Amartya obtained his PhD at the University of KwaZulu-Natal. Before joining the University of Johannesburg, he worked at the Universities of Zululand and Limpopo. His current research interests are in abstract algebra, category theory, and commutative algebra. For the past five years he has been co-organising a special session in Categories, Algebra, Topology and Logic at the South African Mathematical Society annual congress.

CLICK TO REGISTER

Or register at: https://bit.ly/2Ym5vBd

For more events, visit www.nithecs.ac.za