



---

*International Workshop "Knots, braids and automorphism groups"*  
*Novosibirsk, Russia, July 21 – 25, 2014*

---

**ON UNKNOTTING AND REGION UNKNOTTING NUMBERS  
OF SOME KNOTS**

MADETI PRABHAKAR

In this talk, we provide a new unknotting approach to unknot torus knots and based on this approach, we provide unknotting number of more than 700 knots having crossing numbers from 10 to 16 by showing them in an unknotting sequence of some torus knot. We also discuss the region unknotting number of different classes of 2-bridge knots. In particular, we provide region unknotting number for the classes of 2-bridge knots whose Conway notation is  $C(m, n)$ ,  $C(m, 2, m)$ , and  $C(m, 2, m1)$ , respectively.

INDIAN INSTITUTE OF TECHNOLOGY ROPAR, PUNJAB, INDIA  
E-mail address: prabhakar@iitrpr.ac.in