

## TIFR BEST THESIS AWARDS 2016-17

These are annual awards, given by the TIFR Alumni Association (TAA), for the Best Theses awarded by TIFR between April 2016 & March 2017

The names are selected by a committee chosen for each subject.

| <b>TAA - Geeta Udgaonkar Award</b>         |   |  |
|--|---|--|
| Dr. Joe Philip Ninan                       | <b>Thesis Title :</b> Episodic Accretion and Outflows in Young Stellar Objects & Near Infrared Instrumentation                                      | Prof. Devendra K. Ojha                 |
| <i>Honourable Mention</i>                  |   |  |
| Dr. Om Prakash                             | <b>Thesis Title :</b> Superconductivity of Bismuth and ground state properties of quasi- skutterudites (R3T4X13 (R=Y, Ce and Lu, T=Ru and Os, X=Ge) | Prof. S. Ramakrishnan                  |
| <b>TAA – Zita Lobo Memorial Award</b>      |   |  |
| Dr. Pankaj Dubey                           | <b>Thesis Title:</b> Cellular and Molecular analysis of spermatid release in Drosophila   | Prof. Krishanu Ray                     |
| <i>Honourable Mention</i>                  |   |  |
| Dr. Hemanth Giri Rao Vantharam             | <b>Thesis Title:</b> Understanding Protein Structure and Function through Computational Folding of Coarse-Grained Models.                           | Prof. Shachi Gosavi                    |
| <b>TAA – Harish Chandra Memorial Award</b> |   |  |
| Dr. Debabrata Karmakar                     | <b>Thesis Title:</b> Trudinger Moser and Adams inequalities on the hyperbolic space.  | Prof. K. Sandeep                       |
| <i>Honourable Mention</i>                  |   |  |
| Dr. Charanya Ravi                          | <b>Thesis Title:</b> Equivariant vector bundles and their K-theory on schemes with group actions.   | Prof. Amalendu Krishna                 |
| <b>TAA – Chemistry Award</b>               |   |  |
| Dr. Rahul Gera                             | <b>Thesis Title:</b> Probing Excited State Redox Reactions Inside Molecular Containers  | Dr. Jyotishman Dasgupta                |
| <b>TAA – Sasken Award</b>                  |   |  |
| Dr. Gugan Thoppe                           | <b>Thesis Title:</b> On Stochastic Approximation, Stochastic Algebraic Geometry, and Optimization in High Dimensions.                               | Prof. V. S. Borkar/ Dr. V. Prabhakaran |
| Dr. Swagato Sanyal                         | <b>Thesis Title:</b> Complexity Measures of Boolean Functions: Fourier Sparsity, Fourier Dimensions and Query Complexity                            | Prof. Prahladh Harsha                  |