

**Journal of the Indian Institute of Science  
Bangalore 560 012, India**

*Volume 80*

*July–August 2000*

*Number 4*

**Special Issue on Power Electronics at IISc – 1**

**Contents**

Preface		315
Contents		317
R. Gautham, Prabindh Sundareson and L. Umanand	A new bidirectional topology for electric vehicles	319
L. Umanand	Switched junctions in bondgraph for modelling power electronic systems	327
Debiprasad Panda and V. Ramanarayanan	Modelling and simulation of switched reluctance motor drive	333
Biju S. Nathan and V. Ramanarayanan	Designing for zero-voltage switching in phase- modulated series resonant converters	347
IISc Theses Abstracts		363
Book Reviews		395