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A modern and broad exposition emphasizing heat transfer by convection. This edition contains valuable new information primarily pertaining to flow and heat transfer in porous media and computational fluid dynamics as well as recent advances in turbulence modeling.

Basu leads large scale initiatives in the area of combustion, multi-phase flow and heat transfer. Before joining IISc, Dr. Saptarshi Basu received his M. He has expertise in optical diagnostics particularly laser induced fluorescence, particle image velocimetry, tunable diode laser absorption spectroscopy, IR-thermography, rayleigh scattering and laser induced incandescence. He has authored over technical publications in journals and conferences. Saptarshi Basu has been awarded the K. Introduction to Convective Heat Transfer Week 2: Introduction to external forced convection Week 3: Integral solutions-II Week 4: Other wall heating conditions-unheated length Week 5: Effect of conduction across a solid coating Week 6: Heat transfer to fully developed flow-I Week 7: Heat transfer to developing flow-II Week 8: Integral solutions-II Week 9: Vertical channel flow-I Week Scaling analysis-II Week The exam is optional for a fee. Date and Time of Exams: April 28 Saturday and April 29 Sunday: Announcements will be made when the registration form is open for registrations. The online registration form has to be filled and the certification exam fee needs to be paid. More details will be made available when the exam registration form is published. Final score will be calculated as: Certificate will have your name, photograph and the score in the final exam with the breakup.

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I think this book is the one of the best convection heat transfer references. However, it is not in good print quality because it has printed a book that it had previously scanned. And the book is expensive compared to the print quality.

Chapter 4 : Louis C. Burmeister (Author of Convective Heat Transfer)

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