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Solar Engineering of
Thermal Processes 4th
Edition – John Duffie,
William Beckman**

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Impacts and Solutions Amir Al-Ahmed, Inamuddin, Fahad A. Al-Sulaiman, Firoz Khan, 2021-11-01 This book discusses how to reduce the impact of dust and heat on photovoltaic systems. It presents the problems caused by both dust accumulation and heat on PV systems as well as the solutions in a collected piece of literature. The Effects of Dust and Heat on Photovoltaic Modules. **Impacts and Solutions** begins by discussing the properties of dust accumulation on PV modules. It then presents several solutions to this such as hydrophobic coatings and surface texturing. The second half of the book is used to discuss the effects of heat on silicon PV modules as well as various cooling approaches. These include water cooling and carbon based materials. Due to the prevalence of PV systems in renewable energy, this book will be of interest to numerous students, researchers, and practitioners. The Publishers' Trade List Annual, 1987 *Solar Engineering* American Society of Mechanical Engineers. Solar Energy Division. Conference, 2004 *American Journal of Physics*, 1985 Archival journal targeted toward advanced level physics and physics education with its focus on the teaching and cultural aspects of physics. *Engineering Experiment Station Report* University of Wisconsin--Madison. Engineering Experiment Station, 1977 *Solar Engineering--1984* D. Yogi Goswami, 1984 Scientific and Technical Books and Serials in Print, 1984 **Subject Guide to Books in Print**, 1993 **Journal of Solar Energy Engineering**, 1995 Proceedings of the 20th National Passive Solar Conference, Minneapolis, Minnesota, July 15-20, 1995 American Solar Energy Society, 1995 **Report** University of Wisconsin--Madison. Engineering Experiment Station, Mechanical Engineering News, 1985 Choice, 1981 **Solar 92** American Solar Energy Society. Annual Conference, 1992 **Books in Print Supplement**, 1984

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