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Facilitation Centre for Industrial Plasma Technologies
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Qualification : BE (Mechanical Engineering)

Designation : Scientific Officer: F

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Field of Work

- Management of mechanical workshop facilities at FCIPT
- Coordination in maintenance of common infrastructure (civil) facilities at FCIPT
- Coordination in administrative activities at FCIPT and outreach activities

Projects and Technologies

- NA

Publications (IEEE format)

Book Chapter Published:

- "Introduction to Isostatic Pressing and its Optimization", **G. Vadolia**, K. Premjit Singh, Manoj K. Gupta, Bharat Doshi, and Vikas Rathore, "Modeling and Optimization in Manufacturing: Toward Greener Production by Integrating Computer Simulation (2021)". Chapter 6, ISBN 9783527825226.
- "Structural fabrication: Study of Infrastructure facility required to convert concept to reality", **G. Vadolia**, Plasma and fusion science: from fundamental research to technological applications, Chapter 17, ISBN 978-1-77188-453-2 (Hard cover), Published by Apple Academic Press Inc.

Conference Proceedings

- "Survey on Hot Isostatic Pressing Technique for Development of Tokamak Components". **G. Vadolia**, K. P. Singh, B. Doshi, and M. K. Gupta No. IAEA-CN-258. 2018.
- "Electron Beam Welding: study of process capability and limitations towards development of nuclear components", **G. Vadolia**, and K Premjit Singh, Journal of Physics: Conf. Series 823 (2017) 012040.
- "Safety legislation and regulations for electron beam welding." **G. Vadolia**, K. P. Singh, and Devendra Modi Proceedings of the 33rd DAE safety and occupational health professionals meet: safety in high power and high energy advanced technologies clinical applications of lasers 2016.

Technical Reports in IPR

- "Advanced fabrication techniques and its application in strategic and nuclear domain: an overview", **G. Vadolia**, K. P. Singh, B. Doshi and M. K. Gupta, IPR/TR-436/2017, (July 2017).
- "Electron beam welding scenario: non - vacuum / partial vacuum", **G. Vadolia**, and K. P. Singh, IPR/TR-407/2016 published in November 2016.

Patents

- NA

Awards

- NA