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**Intelligent Systems in Technical and Medical Diagnostics**

Jozef Korbicz, Marek Kowal, 2013-07-18 For

many years technical and medical diagnostics has been the area of intensive scientific research It covers well established topics as well as emerging developments in control engineering artificial intelligence applied mathematics pattern recognition and statistics At the same time a growing number of applications of different fault diagnosis methods especially in electrical mechanical chemical and medical engineering is being observed This monograph contains a collection of 44 carefully selected papers contributed by experts in technical and medical diagnostics and constitutes a comprehensive study of the field The aim of the book is to show the bridge between technical and medical diagnostics based on artificial intelligence methods and techniques It is divided into four parts I Soft Computing in Technical Diagnostics II Medical Diagnostics and Biometrics III Robotics and Computer Vision IV Various Problems of Technical Diagnostics The monograph will be of interest to scientists as well as academics dealing with the problems of designing technical and medical diagnosis systems Its target readers are also junior researchers and students of computer science artificial intelligence control or robotics *Current Serials Received* British Library. Document Supply Centre, 2006 **Fulltext Sources Online** ,2007

International Journal of Ethics ,1902

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**Inverse Problems, Regularization Methods and Related Topics** Sergei V. Pereverzyev, R. Radha, S.

Sivananthan, 2025-03-31 This book features a thoughtfully curated collection of research contributions spanning

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