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Methods and Applications in Automation

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This volume contains the proceedings of the 30th (jubilee) and 31st annual Colloquium of Automation. As in preceding years, the 30th Colloquium was held in Salzhausen, Germany. For the first time in the history of the Colloquium, the 31st Colloquium was held in Leer, Germany. Though location has been changed, the mission of the Colloquium of Automation continues unchanged, that is, to gather together researchers from the University of Bremen, engineers from local industry and international researchers and practitioners in automation and related fields.

The 15 contributions presented in this volume are a selection from 51 papers accepted for presentation at the Colloquium. The coverage of the contributions is very wide, addressing research, new developments, and experience related to:

- o Control Theory
- o Robotics
- o Service Robotics
- o Image Processing
- o Virtual/Augmented Reality
- o Brain Computer Interface