

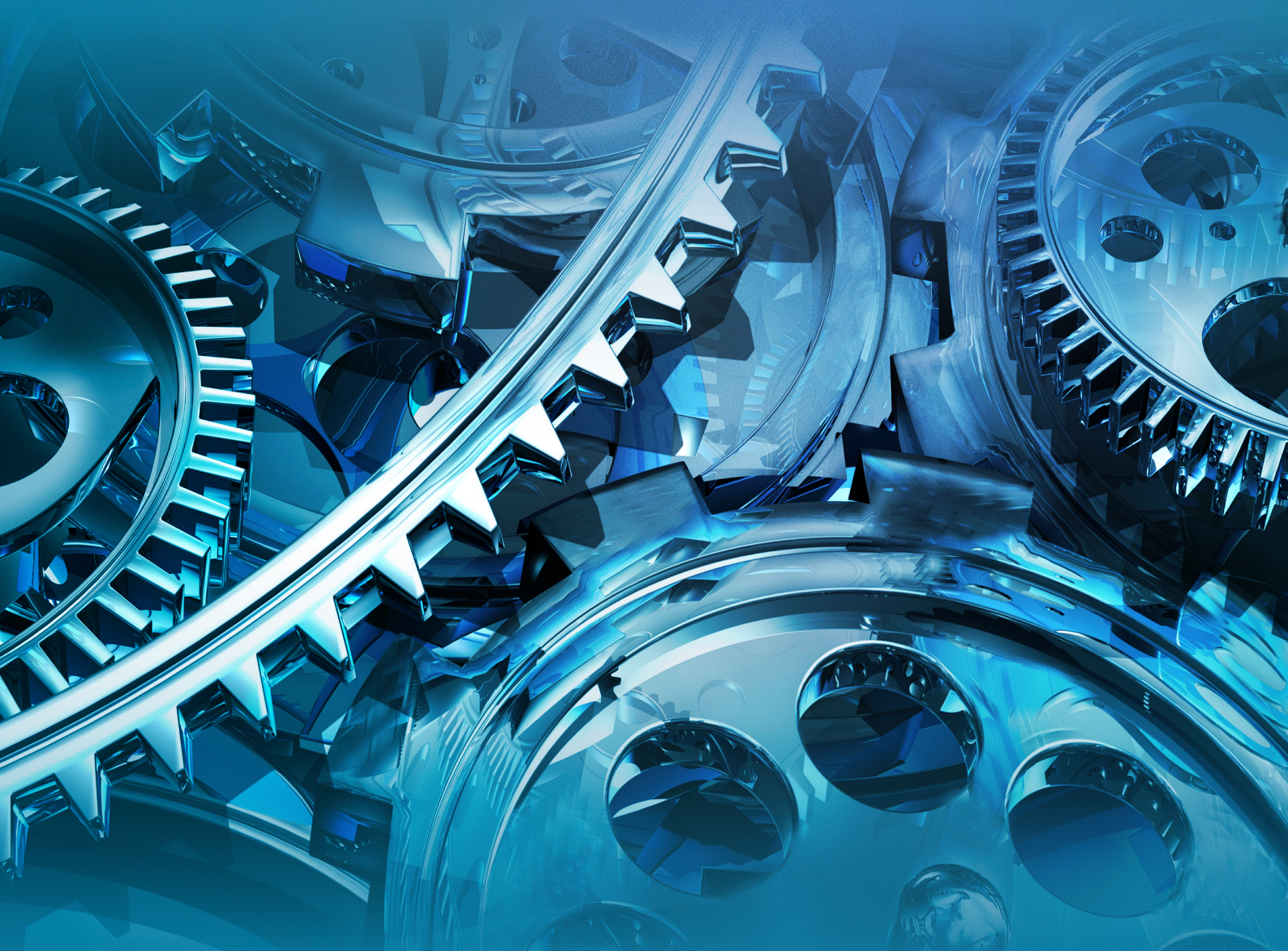
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Scientific Program

2nd World Congress on

Automation and Robotics

June 13-15, 2016 Philadelphia, USA



Hosting Organization: Conference Series LLC

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Scientific Program

Day 1

June 13, 2016

9:00-9:30 Registrations

Independence B

conference**series**.com 9:30-9:45

Opening Ceremony

Keynote Forum

9:45-10:00 Introduction

10:00-10:40 Title: The Secure Manufacturing IT System

Eduard Babulak, The Institute of Technology and Business in Ceske Budejovice, Czech Republic

Networking & Refreshments: 10:40-11:00 @ Foyer

11:00-11:40 Title: Visual Servo Control of Robotic Systems: Applications and Challenges

Farrokh Janabi-Sharifi, Ryerson University, Canada

11:40-12:20 Title: Virtual engineering and commissioning of automation systems – a way to handle complexity

Petter Falkman, Chalmers University of Technology, Sweden

Panel Discussion

Track 1: Industrial Automation

Track 2: Automation Tools and Technologies

Track 3: Control and Mechatronic Systems

Track 5: Manufacturing Automation

Session Chair: Petter Falkman, Chalmers University of Technology, Sweden

Session Co-Chair: Asim ur Rehman Khan, National University of Computer & Emerging Sciences, Pakistan

Session Introduction

12:20-12:50 Title: Optimizing Multimodal Interfaces for Speech Systems in the Automobile

Lisa Falkson, CloudCar, USA

12:50-13:20 Title: AmeriGas - Rethinking the status quo - Addressing safety, ergonomics, and productivity through integrated automation

John Carey, Avanceon – Exton, USA

Lunch Break: 13:20-14:05 @ Benjamin's Restaurant

14:05-14:40 Title: Knowledge is the greatest obstacle to development and innovation

Jerry Vinther, Lillebaelt Academy University of Applied Sciences, Denmark

14:40-15:10 Title: Predictive controller design using ANOVA

Asim ur Rehman Khan, National University of Computer & Emerging Sciences, Pakistan

15:10-15:45 Title: Futuristic Computing, Automation and Robotics and its Impact on Society Today and Tomorrow

Eduard Babulak, The Institute of Technology and Business in Ceske Budejovice, Czech Republic

Networking & Refreshments: 15:45-16:05 @ Foyer

- 16:05-16:35** **Title: CyberFLEX – Robot based product flexible Cyber Physical EOL test systems**
Herbert Pichlik , SYSTEC GmbH, Germany
- 16:35-17:15** **Title: Predictable Manufacturing using 21st Century Technology**
Robert J. Axtman, Visual Components North America, USA

Panel Discussion

Day 2

June 14, 2016

Independence B

Keynote Forum

9:55-10:00 Introduction

10:00-10:40 **Title: The Art of Smart – assessing the appropriate levels of intelligence in automation systems**
James P Gunderson, Gunder Fish LLC, USA

Networking & Refreshments: 10:40-11:00 @ Foyer

11:00-11:40 **Title: Edge Detection of Moving Objects in the Highly Corrupted Image Sequence**
Asim ur Rehman Khan, National University of Computer & Emerging Sciences, Pakistan

Panel Discussion

Track 4: Robotics and Applications
Track 6: Internet of Things
Track 7: Process and Energy Automation
Track 8: Security in Manufacturing Industries

Session Chair: Tariq Tashtoush, Texas A&M International University, USA

Session Co-Chair: Hamid Marvi, Arizona State University, USA

Session Introduction

- 11:40-12:10** **Title: Human-Robot Interactions**
Tariq Tashtoush, Texas A&M International University, USA
- 12:10-12:40** **Title: Snakes and Geckos on a Complex Plane**
Hamid Marvi, Arizona State University, USA
- 12:40-13:10** **Title: Understanding Human Robot Collaboration in Flexible and Reconfigurable Industrial Environments**
Philip Webb, Cranfield University, UK

Lunch Break: 13:10-13:55 @ Benjamin's Restaurant

- 13:55-14:30** **Title: Solving the Problem of Dearth of CAD Software for Consulting engineers in Nigeria and other Developing Countries: a Case for Software Renting/Subscription**
Chidozie C. Nwobi-Okoye, Chukwuemeka Odumegwu Ojukwu University, Nigeria
- 14:30-15:00** **Title: Challenges and Advances in Environment-Based Voice Interaction**
Leor Grebler, Unified Computer Intelligence Corporation, Canada
- 15:00-15:30** **Title: Analysis of the Integration between Information Tools Discrete Event Simulation and Production System**
Rodrigo Ferro, Methodist University of Piracicaba, Brazil
- 15:30-15:50** **Title: Case Study: Automation Influence on Logistics and Warehousing Business Sector**
Patricio Rodriguez, Texas A&M International University, USA

15:50-16:10 **Title: Design and Development of a Learning-based Human-analogous Real-time Control Method with Applications in Industrial Automation**
Mojtaba Hedayatpour, University of Regina, Canada

Panel Discussion

Networking & Refreshments: 16:10-16:30 @ Foyer

Day 3 June 15, 2016

Independence B

Track 09: Automation systems

Track 10: Automation Solutions

Session Chair: Philip Webb, Cranfield University, UK

Session Co-Chair: Asim ur Rehman Khan, National University of Computer & Emerging Sciences, Pakistan

Session Introduction

10:00-10:30 **Title: Towards mitigating the impact of NBTI and PBTI Degradation**
Mary M Eshaghian-Wilner, The University of Southern California, USA

10:30-11:00 **Title: Growing the Next Generation Automation-capable Workforce**
Ted Rozier, Festo Didactic Solution Center, USA

Networking & Refreshments: 11:00-11:20 @ Foyer

11:20-12:00 **Title: Power, Automation and Industrialization: The Nigerian Experience**
Stanley Okiy, Petroleum Training Institute, Nigeria

12:00-12:40 **Title: Wearables for Driver Safety in the Trucking Industry**
Avishai Geller, Maven Machines, USA

Panel Discussion

Lunch Break: 12:40-13:30 @ Benjamin's Restaurant

Bookmark your dates

3rd World congress on

Automation and Robotics

August 18-19, 2017 Orlando, USA

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