May/June 2016 Volume 7 ▼ Number 3 http://pulse.embs.org

## IEEE PULSE MAN

A MAGAZINE OF THE IEEE ENGINEERING IN MEDICINE AND BIOLOGY SOCIETY

## Rehabilitation Technology

The latest in prosthetics, bionics, and more



Plus

- **▼ Overcoming Visual Impairment**
- **▼** Soft Robotics
- ▼ New Frontiers for Voice Analysis

Indexed in PubMed® and MEDLINE®, products of the United States National Library of Medicine



U.S. National Library of Medicine









## **FEATURES**

6 New Prostheses and Orthoses Step Up Their Game By Summer Allen

12 The U.K. Pushes the Boundaries of Bionics

By Jim Banks

16 Staying in Touch

By Silvestro Micera

20 Taking on Essential Tremor

By Leslie Mertz

26 A Better View

By Leslie Mertz

30 The "Jaipur Foot"

By Harish Mysore

34 Pleasant to the Touch

By Matteo Cianchetti and Cecilia Laschi

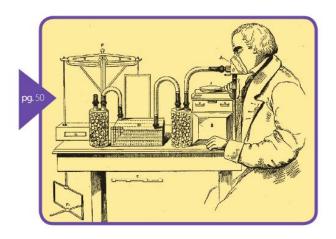
38 From Hospital to Home Care

By Natalia M. López, Sergio Ponce, David Piccinini, Elisa Perez, and Martín Roberti

42 Giving Voice to Emotion

By Summer Allen





## **COLUMNS & DEPARTMENTS**

- 3 FROM THE EDITOR
- 5 FROM THE REGIONAL EDITOR
- 48 STATE OF THE ART
- 50 RETROSPECTROSCOPE
- 58 BOOK REVIEWS
- 60 CALENDAR



