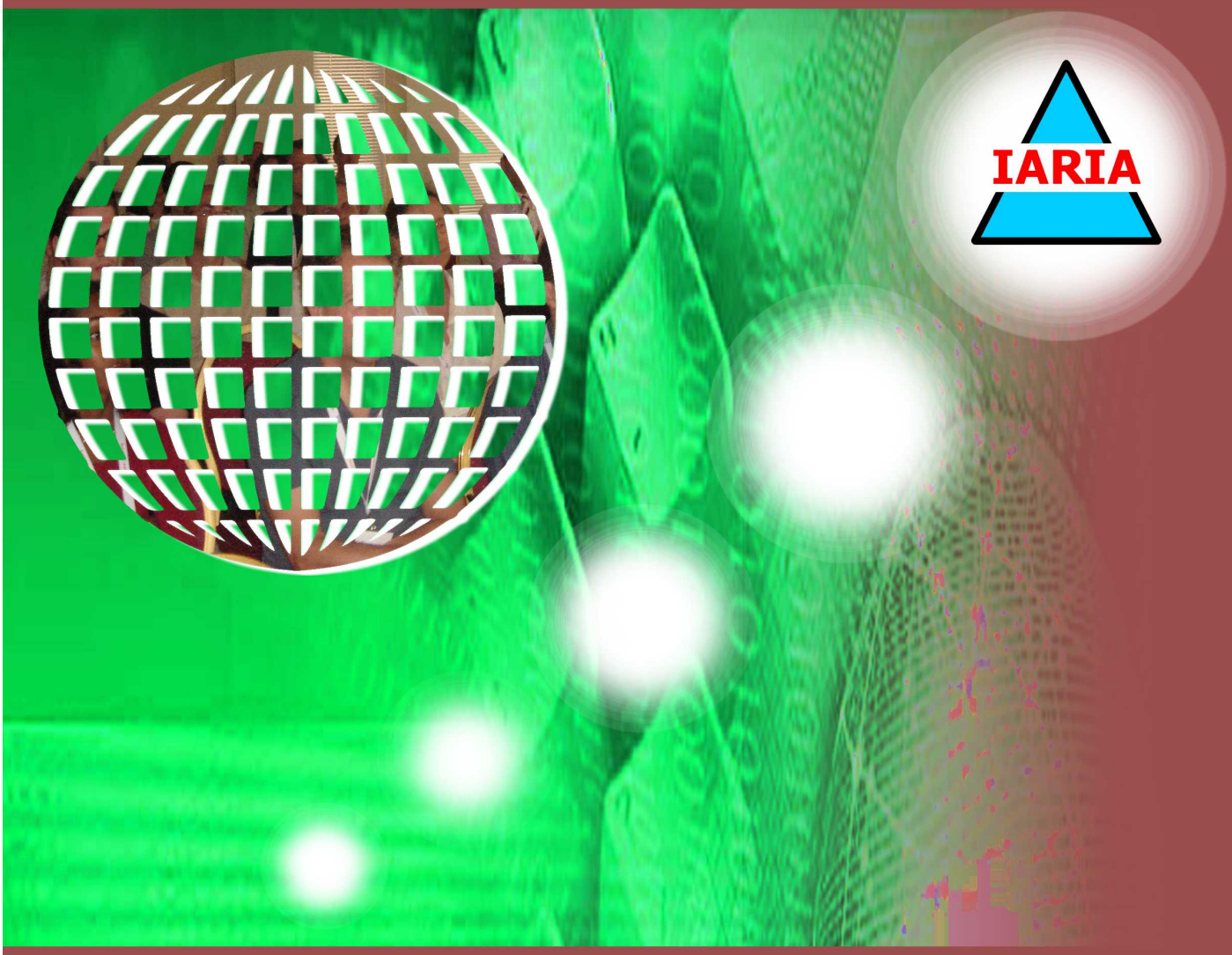
International Journal on Advances in Life Sciences



2016 vol. 8 nr. 3&4

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571

Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2016) by International Academy, Research, and Industry Association (IARIA)
Please refer to the Copyright Information page.

Printed by Curran Associates, Inc. (2018)

International Academy, Research, and Industry Association (IARIA)
412 Derby Way
Wilmington, DE 19810

Phone: (408) 893-6407
Fax: (408) 527-6351

petre@iaria.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2633
Email: curran@proceedings.com
Web: www.proceedings.com

International Journal on Advances in Life Sciences
Volume 8, Numbers 3 & 4, 2016

CONTENTS

pages: 175 - 183
A Virtual Presence System Design with Indoor Navigation Capabilities for Patients with Locked-In Syndrome
Jens Garstka, FernUniversität in Hagen - University of Hagen, Germany
Simone Eidam, FernUniversität in Hagen - University of Hagen, Germany
Gabriele Peters, FernUniversität in Hagen - University of Hagen, Germany

pages: 184 - 202
The Natural-Constructive Approach to Representation of Emotions and a Sense of Humor in an Artificial Cognitive System
Olga Chernavskaya, Lebedev PhysicalInstitute (LPI), Russia
Yaroslav Rozhylo, BICA Labs, Ukraine

pages: 203 - 213
Constraining the Connectivity of Sparse Neural Associative Memories
Philippe Tigreat, Telecom Bretagne, France
Vincent Gripon, Telecom Bretagne, France
Pierre-Henri Horrein, Telecom Bretagne, France

pages: 214 - 221
Good telecare: on accessible mental health care
Annemarie van Hout, Windesheim University of Applied Sciences, The Netherlands
Ruud Janssen, Windesheim University of Applied Sciences, The Netherlands
Marike Hettinga, Windesheim University of Applied Sciences, The Netherlands
Jeannette Pols, Academic Medical Centre, The Netherlands
Dick Willems, Academic Medical Centre, The Netherlands

pages: 222 - 232
The Real World is a Messy Place: The Challenges of Technology Use in Care Provision
Anthony Glascock, Drexel University, USA
Rene Burke, NHS Human Services, USA
Sherri Portnoy, NHS Human Services, USA
Shaleea Shields, NHS Human Services, USA

pages: 233 - 242
Developing a Personalised Virtual Coach 'Denk je zèlf!' for Emotional Eaters through the Design of Emotion-Enriched Personas
Aranka Dol, Institute for Communication, Media & IT, Hanzehogeschool UAS, The Netherlands
Olga Kulyk, Department of Psychology, Health and Technology, University of Twente, The Netherlands
Hugo Velthuijsen, Institute for Communication, Media & IT, Hanzehogeschool UAS, The Netherlands
Lisette van Gemert-Pijnen, Department of Psychology, Health and Technology, University of Twente, The Netherlands
Tatjana Van Strien, Behavioural Science Institute and Institute for Gender Studies, Radboud University, Department of Health Sciences and the EMGO Institute for Health and Care Research, VU University, The Netherlands

pages: 243 - 256
Structuring the EPRs; The National development of Archetypes for Core Functionallity
Gro-Hilde Ulriksen, Norwegian Center for E-health Research – University hospital North Norway Telemedicine and

eHealth Research Group, Faculty of Health Sciences, Arctic University of Norway, Tromsø, Norway
Rune Pedersen, University Hospital of North Norway, Section for E-health administration Norwegian Center for E-health Research – University hospital North Norway Telemedicine and eHealth Research Group, Faculty of Health Sciences, Arctic University of Norway, Tromsø, Norway

pages: 257 - 266
Student Views on Academic Reading and its Future in the Design and Engineering Disciplines
Kimberly Anne Sheen, The Hong Kong Polytechnic University, Hong Kong, SAR
Yan Luximon, The Hong Kong Polytechnic University, Hong Kong, SAR

pages: 267 - 276
DiClas-Grid Discussing and Classifying eHealth Interventions
Saskia Akkersdijk, University of Twente, The Netherlands
Saskia Kelders, University of Twente, The Netherlands
Annemarie Braakman, University of Twente, The Netherlands
Lisette van Gemert-Pijnen, University of Twente, The Netherlands

pages: 277 - 288
KINECT-Based Auscultation Practice System
Yoshitoshi Murata, Iwate Prefectural University, Japan
Kazuhiro Yoshida, Iwate Prefectural University, Japan
Natsuko Miura, Iwate Prefectural University, Japan
Yoshihito Endo, Iwate Prefectural University, Japan

pages: 289 - 296
Continuous Noninvasive Arterial Blood Pressure Monitor with Active Sensor Architecture
Viachesla Antsiperov, Moscow Institute of Physics and Technology, Russia
Gennady Mansurov, Kotel'nikov Institute of REE of RAS, Russia

pages: 297 - 308
Web Accessibility Recommendations for the Design of Tourism Websites for People with Autism Spectrum Disorders
Antonina Dattolo, SASWEB Lab, Dept. of Mathematics, Computer Science, and Physics, Università di Udine, Italy
Flaminia L. Luccio, DAIS, Università Ca' Foscari Venezia, Italy
Elisa Pirone, Università Ca' Foscari Venezia, Italy

pages: 309 - 319
Improved Knowledge Acquisition and Creation of Structured Knowledge for Systems Toxicology
Sam Ansari, Philip Morris Products SA (part of PMI) - Research & Development, Switzerland
Justyna Szostak, Philip Morris Products SA (part of PMI) - Research & Development, Switzerland
Marja Talikka, Philip Morris Products SA (part of PMI) - Research & Development, Switzerland
Juliane Fluck, Fraunhofer Institute for Algorithms and Scientific Computing, Germany
Julia Hoeng, Philip Morris Products SA (part of PMI) - Research & Development, Switzerland