iarigai publications

Advances in Printing and Media Technology
Vol. XLI(I)

Edited by Nils Enlund & Mladen Lovreček
Introduction

Research fields, covered by iarigai:

• Conventional printing technology
• Digital printing
• Emerging media / digital publishing, interactive communication
• Social impact of conventional and emerging media
• Functional printing / electronic, sensors, batteries …
• Materials in conventional, digital and functional printing
• Printed packaging / conventional, smart, active …
Iarigai conferences
Helsinki 2015

• Yang, L., Thorman, S.: Critical Evaluations of Liquid Absorption Testing Methods for Package Printing

Near Field Communication (NFC)

- A subset of RFID with substantive differences from conventional RFID
  - Active and Passive
  - Near field – up to 4 cm but often less
    - Read/write mode
      - Read and/or write passive NFC tags/stickers
    - P2P – peer to peer
      - Share or pair devices
    - Card emulation
      - Allows for commerce, ticket
      - External NFC reader (P0)
  - ISO 18092 (NFC forum)
Whitehead, C. : Migration of chemicals from food packaging and the printing inks used (British Coatings Federation)
Swansea 2014 / Advances Vol.41

• Izdebska, J., Żołek-Tryznowska, Z., Makowska, M.: Study of the effect of the ink layer on selected properties of multilayer packaging films

• Yang, L., Jinghao, Li, X.: Dynamics of ink absorption of packaging paper

Chemnitz 2013 / Advances Vol.40

• Radermacher, K., Jung, U., Marzinkowski, J.: A life cycle approach to environmental aspects in the printing and packaging industry
• Nikolaus, U., Geißler, A.: Familiarity and color effects on consumer reactions to packaging design

Ljubljana 2012 / Advances Vol.39

• Nagornova, I., Bablyuk, E.: Thermochromic composition on the base of cyanine dyes as smart packaging element
• Rättö, P., Trost, T., Blohm, E.: Wear of packaging during transport simulation
• Tsigonias, M., Kakizis, N., Romanos, G., Tsigonias, A., Tsimis, D., Politis, A., Zevgolis D.: On the definition of a multi-criteria model for the evaluation and adoption of packaging
• Nikolaus, U., Lipfert, D.: The emotional impact of packaging design: An eye tracking analysis
Budapest 2011 / Advances Vol.38

- de Gracia, V., Otero, S., Herranz, N., Müller, M.J., Diaz, J.: Smart-printed-pack - intelligent packaging container attached with opening detector and paper-based electroluminescent indicator lamp

- Golob, G., Rotar, B., Šulc, D.: Braille dot height impact on the functionality and legibility of the pharmaceutical packaging

- Pekarovicova, A., Lovell, V., Fleming, P.D.: Extended color gamut printing for flexo packaging

Montreal 2010 / Advances Vol.37


- Rehberger, M., Vigne, V.: A market survey about Variable Data Print (VDP) on fibre-based packaging in North America and Europe

- Pekarovicova, A., Lovell, V., Sangmule, S., Fleming, P.: Overprinting of spot colors for flexo packaging

Rehberger, M., Odeberg Glasenapp, A., Zhang, X.: Variable data printing (VDP) quality aspects on fibre based packaging - an elementary print quality study on corrugated board (Vol.1-1, 2012)


Yang, L., Liu, L., Li, X.: Dynamics of ink absorption of packaging paper (Vol.3-4, 2014)

Joanna Izdebska, J., Żołek-Tryznowska, Z., Magdalena Wirtek, M.: Study of the effects of the ink layer on selected properties of multilayer packaging films (Vol.4-1, 2015)


Sarapulova, O., Sherstiuk, V.: Formation and photoluminescent properties of nanophotonic elements with nanosized ZnO for smart packaging, deposited by screen printing (Vol.4-3, 2015)
Short analysis

- 26 papers in total (arbitrary) published from 2010 at the conferences and in the Journal (from 2012)
- 17 of them on material, technology, smart packaging ...
- 9 papers on strategy, environment, design, consumer perception ...
Conclusions

- Encouraging the authors, researchers and experts to publish their results at the iarigai conferences, other events and in the Journal of print and Media Technology Research is essential for the future perspective in this field.
- Publish in the Journal and/or become a subscriber or iarigai member!
- New research projects on packaging are welcome.
- There is almost no packaging without printing or coating!
Thank you for your attention!

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