aiminsider | Advancing Identification Matters

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Introducing the Class of 2018 | AIM Case Study Competition Winners

Once again in 2018, the AIM Case Study Competition saw an incredible turnout and some of the most unique innovations in technologies being implemented in the global marketplace today. More than two dozen entries from seven different countries were evaluated by this year's judges. Earning best-in-class recognition, including two Honorable Mentions were five industry leaders in AIDC.

HID Global, headquartered in Austin, Texas, was chosen as the top entry in the Internet of Things (IOT) category for their submission, *Iconic Manhattan Skyscraper Streamlines Fire Protection Inspection & Repair,* a project to digitize, streamline and track the entire sprinkler inspection and repair process at one of lower Manhattan's most iconic office buildings for RAEL Automatic Sprinkler Company. HID Global's award this year places them as the first two-time winner in AIM's Case Study Competition, having previously won in the RFID category in 2014.

Taking the top prize in the Automatic Identification & Data Capture (AIDC) category was Šenčur, Slovenia based NiceLabel for *Siemens Standardizes Labeling Across Global Factories*, a project for global powerhouse Siemens to provide centralized labeling that can easily deliver real-time labels to highly automated manufacturing and logistics environments, many with multilingual needs.

Tyco Retail Solutions, located in Boca Raton, Florida, received this year's honors in the Radio Frequency Identification (RFID) category for *The Magic of Macy's: Leveraging RFID for Pick to the Last Unit Omni-Channel Fulfillment.* The initiative, which was part of the retailer's unique program based on the concept of "Pick to the Last Unit (P2LU), utilized Tyco's RFID Inventory Visibility solution to ensure a complete item-level view of inventory in stores, online and across the supply chain to satisfy customer demand and achieve a "buy anywhere, fulfill anywhere" model.

AIM also recognized two other companies with **Honorable Mention Awards** in the 2018 Competition, HP in the Blockchain category for its Exceler8 platform initiative and TEKLYNX in the AIDC category for its MicroVention ERP integration effort.

Coming later this month in *AIM Matters*, each of the category winners will be profiled in depth. Until then, check out and download their winning case studies here...

Congratulations!!

HID | NiceLabel | tyco Retail Solutions

hp | TEKLYNX Setting the Standard

Industry Voices & Hot Topics

California Readies New Security Requirements for 'Internet of Things' Devices | statescoop

Cybersecurity 202: California's IoT Cybersecurity Bill Could Lay Groundwork for Federal Action | The Washington Post

The Secret Weapon in the Fight for Sustainability? The Humble Barcode | The European Sting/World Economic Forum

Why You're Probably Getting a Microchip Implant Someday | The Atlantic

Four Ways the Internet of Things Can Impact Lives | sensors

Will Blockchain Revolutionise the Internet of Things | EuroScientist

How Security Concerns are Holding Back the Internet of Things | Wall Street Journal

RAIN Communication Interface Guideline | Just Released

Created by members of the RAIN RFID Alliance Developers Workgroup, the **RAIN Communication Interface (RCI) Guideline** came at the request of several end-users looking for an easier way to control their RAIN RFID readers.

This guideline brings a new method for controlling readers using simple commands (JavaScript Object Notation - JSON) which can combine reader commands using profiles. This means that instead of sending a series of commands to identify a tag (or tags) and then process the information, this can all be done from one profile command. It also removes the need to have reader specific interface APIs/libraries. The RCI specifies what comes out of the reader in a human and machine-readable manner with data ready to be used by the application.

This first version (V.1.0) of the guideline has all of the basic commands to allow full interrogation of the reader. The Developers Workgroup is currently working to add additional features to the RCI from the GS1 and ISO/IEC protocol standards, such as support for the cryptographic techniques and sensors connected to RAIN RFID tags.

Download a copy of the RCI Guideline here, or visit the RAIN website for more information.

Inside AIM Industry Groups

Get the latest insider news from all AIM Industry Groups. This month's report includes updates from:

- Internet of Things (IoT)
- RAIN RFID Alliance (RAIN)
- EU Consultant Update
- RFID Experts Group (REG)
- Technical Symbology Committee (TSC)
- Track & Trace (T&T)
- Public Policy | AIM North America
- Blueberry Castle Project | AIM NA

Read more here...

Not currently involved, but want to participate?

Join us! To learn more about AIM's Industry Groups, contact Member Engagement Manager Mike Allen for additional information.

Featured Events

- **World Summit AI** | October 10-11
  Amsterdam, Netherlands

- **PACK EXPO International** | October 14-17
  Chicago, Illinois

- **MHI 2018 Annual Conference** | October 15-17
  Orlando, Florida

- **IoT Solutions World Congress** | October 16-18
  Washington, D.C.

- **Blockchain World Forum** | October 25-27
  Beijing, China

- **Global GS1 Healthcare Conference** | October 30
  Bangkok, Thailand

SEE ALL EVENTS HERE

Member Spotlight

Manufacturer| Mason City, Iowa | Austin Elling - Delegate | www.idplate.com

Metalcraft has provided property identification solutions since 1950. What began as a solution for the Bostitch Stapler Company's identification needs has evolved into Metalcraft as we know it today. The solution for Bostitch was to have Metalcraft provide nameplates with printed copy of Bostitch customer names that were attached with solvent-activated adhesive to their staplers.

Since that first Bostitch stapler solution in 1950, Metalcraft has provided thousands of businesses and industries throughout North America and around the world with a wide range of choices in durable nameplates and labels to meet the needs of the ever-evolving industry of tracking and controlling. These customized products may include consecutive numbers using barcode and/or RFID technologies.

Made from the toughest materials including polyester, anodized aluminum, stainless steel, polycarbonate, ceramic and more, Metalcraft nameplates and labels are built to withstand environments ranging from mild to extreme and resist abrasion, caustics/acids, solvents, salt air, high temperatures, and UV rays.

INCITS | Invitation to Participate on a US TAG to JTC 1/WG 12 on 3D Printing and Scanning
Responses requested by October 20, 2018

The INCITS Ad Hoc on 3D Printing and Scanning was established in the interim to serve as the transitional US TAG to JTC 1/WG 12. The ad hoc was authorized to prepare US positions, contributions and participation for WG 12 activities. Mr. Lonnie Mandigo (HP Inc.) was appointed Chairman of the INCITS Ad Hoc on 3D Printing and Scanning. Additional participants will be identified in response to the call for interest in participation on a US TAG to JTC 1/WG 12. There is no cost associated with participation on this ad hoc.

Scope of JTC 1/WG 12 on 3D Printing and Scanning – JTC 1/WG 12 was established with the following terms of reference:

1. *Serve as a focus of and proponent for JTC 1's standardization program on 3D Printing and Scanning.*

2. *Develop ICT related foundational standards for 3D Printing and Scanning upon which other standards can be developed.*
3. *Develop other 3D Printing and Scanning standards that are built upon the foundational standards when relevant ISO and IEC committees that could address these standards do not exist or are unable to develop them.*
4. *Identify gaps and opportunities in 3D Printing and Scanning standardization.*
5. *Develop and maintain liaisons with all relevant ISO and IEC committees as well as with external organizations that have interests in 3D Printing and Scanning.*
6. *Engage with 3D Printing and Scanning communities to raise awareness of JTC 1 standardization efforts and provide an open platform for discussion and further cooperation.*
7. *Develop and maintain a list of existing 3D Printing and Scanning standards produced and standards development projects underway in ISO TCs, IEC TCs and JTC 1.*

Organizations interested in participating on a US TAG to JTC 1/WG 12 on 3D Printing and Scanning are requested to notify the INCITS Secretariat (jgarner@itic.org) by October 20, 2018 and should include the name(s) and full contact information of their representatives (one principal and one or more alternates).

Members Only | Event Discounts

Don't miss out on exclusive AIM Member discounts for these upcoming industry events. Sign in to the Members Only section on AIM's website to get your special discount code and review all the discounts AIM has to offer members!

- PACK EXPO | October 14-17 | Chicago, Illinois |**Complimentary registration for suppliers and/or distributors**

- IDTechEx Show! | November 14-15 | Santa Clara, California | **30% off registration**

- AI Expo North America | November 28-29 | Santa Clara, California | **20% off registration**

- Intelligent Automation Week Austin | December 3-6 | Austin, Texas | **20% off registration**

aimpavilion

Only one exhibit space remains for the AIM Pavilion at RFID Journal LIVE! 2019, being held April 2-4, 2019, in Phoenix, Arizona at the Phoenix Convention Center. Join other AIM members in the largest Pavilion at the premier annual RFID show which attracts industry leaders from around the world. Contact Mary Lou Bosco to capture the last space available.

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