Open Applications Group

NIST OAGi Meeting
Opening Plenary
November 1 2017

23 Years of Connecting Enterprises
Now the Dawn of a New Era!
Thank You to Oracle for Hosting our OAGi Meeting
Welcome and Introductions
## OAGi Meeting Agenda

**Thursday, November 1, 2017**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 am</td>
<td>Registration and Coffee</td>
</tr>
<tr>
<td>8:30 am - 9:30 am</td>
<td><strong>Opening Plenary</strong>&lt;br&gt;This session updates the audience on OAGi business status and technical initiatives&lt;br&gt;David Connelly, OAGi</td>
</tr>
<tr>
<td>9:30 am - 10:30 am</td>
<td><strong>Oracle Keynote</strong>&lt;br&gt;Speaker TBA</td>
</tr>
<tr>
<td>10:30 am - 11:00 am</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>11:00 am - 12:00 pm</td>
<td><strong>OAGi AIA and EBO WG Update</strong>&lt;br&gt;Scott Nieman, Land O' Lakes</td>
</tr>
<tr>
<td>12:00 pm - 1:00 pm</td>
<td>Lunch Break</td>
</tr>
<tr>
<td>1:00 pm - 2:45 pm</td>
<td><strong>JSON and NoSQL</strong></td>
</tr>
<tr>
<td>2:45 pm - 3:30 pm</td>
<td><strong>Quality Content WG Update</strong>&lt;br&gt;Scott Nieman, Land O' Lakes, Evan Wallace NIST, Frank Riddick NIST, Frank Heinrich, IBASEI</td>
</tr>
<tr>
<td>3:30 pm - 4:00 pm</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>4:00 pm - 5:00 pm</td>
<td><strong>Semantic Enhancement Working Group Review and Demo</strong>&lt;br&gt;Boonserm Kulvatunyoo, NIST, and Hakju Oh, NIST</td>
</tr>
<tr>
<td>5:00 pm - 5:30 pm</td>
<td><strong>Demo of New Website</strong></td>
</tr>
<tr>
<td>5:30 pm - 6:00 pm</td>
<td><strong>Matters Arising and Close</strong></td>
</tr>
<tr>
<td>8:00 pm - 8:30 pm</td>
<td><strong>Casual Dinner Together - Optional</strong></td>
</tr>
</tbody>
</table>
# 2017 OAGi Fall Meeting Agenda

**Thursday, November 2, 2017**

**Redwood City, California**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 am - 9:45 am</td>
<td><strong>Open Discussion – Bring Your Questions, Comments, and Suggestions</strong></td>
</tr>
<tr>
<td></td>
<td>David Connelly and Mike Rowell review the current OAGi Technical</td>
</tr>
<tr>
<td></td>
<td>Programs and answer your questions in an Open Feedback Session</td>
</tr>
<tr>
<td>9:45 am - 10:15 am</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>10:15 am - 11:30 am</td>
<td><strong>Open Discussion – Bring Your Questions, Comments, and Suggestions</strong></td>
</tr>
<tr>
<td></td>
<td>David Connelly and Mike Rowell review the current OAGi Technical</td>
</tr>
<tr>
<td></td>
<td>Programs and answer your questions in an Open Feedback Session</td>
</tr>
<tr>
<td>11:30 am</td>
<td>Day Over</td>
</tr>
</tbody>
</table>
OAGi Membership Now

- ADP
- AgGateway
- Automotive Industry Action Group (AIAG)
- Amber Road
- Archer Daniels Midland
- Austen Consultancy
- Boeing (Board member)
- Bright3 AB
- Data Communication Solutions
- DBI Poland
- E2open
- EDIFICE
- Emerson
- Emprise
- GEFEG
- HR Open Standards
- Infor (Board member)
- ISA
- Japan Petrochemical Association
- Justransform
- Land O'Lakes
- Liaison Technologies
- London Drugs
- NIST
- Nobel Solutions
- OASIS
- Odette
- OpenText (GXS)
- Oracle (Board member)
- SAA Consultants
- Grupo Sancor Seguros
- Standards for Technology in Automotive Retail (STAR)
- Trisotech
- MESA
- UTECH
- UK MoD
OAGi Staff and Contractors

**Employees**

David Connelly  
CEO  
dmconnelly@oagi.org  
+1 770 331 8636

Michelle Rascoe  
Business Manager  
mrascoe@oagi.org  
+1 404 402 1962

**Contractors**

Jim Wilson  
OAGi Chemical Industry/Ag Council Architect  
jwilson@oagi.org  
+1 (816) 525-2000

**Loaned Staff**

Mike Rowell  
Chief Architect  
(part-time on loan from Oracle)  
mrowell@oagi.org or mrowell@oracle.com  
+1 704 630 6914
OAGi Working Groups

- Semantic Refinement and Tooling WG
- AIA EBO Migration WG
- Smart Manufacturing WG
- Mobile, Cloud, JSON WG
- Quality Content WG
- Chem eStandards Maintenance WG
- NEXT Planning session
  - #add Non Disclosure reading!
Current Release OAGIS 10.3

• Released in April, 2017
• New Quality Content nouns
• New Work Order Noun
• Bug fixes
• OAGIS 10.3 is backwardly compatible with all OAGIS Release 10.X versions.
OAGIS Repository Release 1.0

- SQL DBMS Repository of OAGIS content
- Based on OAGIS Release 10.3
- Available to members only
- On Google drive
OAGIS® 10.3 Scope

- **eCommerce**
  - e-Catalog
  - Price Lists
  - RFQ and Quote
  - Order Management
  - Compliance
  - Purchasing
  - Invoice
  - Payments

- **Manufacturing**
  - Engineering
  - MES
  - Shop Floor
  - Plant Data Collection
  - Conformance
  - Warehouse Management
  - Quality

- **Logistics**
  - Orders
  - Shipments
  - Routings
  - Tracking

- **CRM**
  - Opportunities
  - Sales Leads
  - Customer
  - Sales Force Automation

- **ERP**
  - Financials
  - Human Resources
  - Manufacturing
  - Credit Management
  - Sarbanes/Oxley & Control

- **XML Based Integration**
  - Customer Service
  - Sales Orders
  - Inventory Availability
  - Employment
  - Receiving
  - Plant Data Collection
  - Etc.

- **JSON Based Integration**
  - Windows 7 Phones
  - iPhones, iPads
  - Android Devices
  - Blackberrys

- **Cloud Service Broker**

- **Firewall**

- **EDI and XML Based Integration**

- **Application to Application Integration**

Copyright 2017 Open Applications Group, Inc. All Rights Reserved
OAGIS 10.4 is Coming!

• Contract
• More Quality enhancements
• PO Enhancements
• Second generation EBO based enhancements
• Planned for year-end 2017
Current OAGi Standards

- OAGIS 10.0, 10.1, 10.2.1, 10.3
- OAGIS Release 9.6.1
- OAGIS 9.X Naming and Design Rules
- JSON NDR and REST API Design Guide
- Data Management Guide
- Confirm BOD Usage
- Get/Show Usage guide
- Chem eStandards Use Report
- Chem eStandards Business Process Guidelines
OAGi User Demographics
Who Downloads OAGIS?

- OAGi gets over 8 new registrations per business day
- 12,459 as of November 3, 2016
- They come from all over the world
## Country Representation Website Registrations

<table>
<thead>
<tr>
<th>Continent</th>
<th>Number of Countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>Africa</td>
<td>12</td>
</tr>
<tr>
<td>Asia</td>
<td>17</td>
</tr>
<tr>
<td>Australia/Oceana</td>
<td>4</td>
</tr>
<tr>
<td>Europe</td>
<td>40</td>
</tr>
<tr>
<td>Middle East</td>
<td>8</td>
</tr>
<tr>
<td>North America</td>
<td>7</td>
</tr>
<tr>
<td>South America</td>
<td>11</td>
</tr>
<tr>
<td><strong>Total Registrations</strong></td>
<td><strong>99</strong></td>
</tr>
</tbody>
</table>
Who Uses OAGIS?

- Oracle
- ADP
- TSC Tractor Supply Co.
- Land O'Lakes, Inc.
- Infor
- Microsoft
- E2open
- Siemens
- Cargill
- Standard & Poor's
- IBM
- iBaseT
- Ameriquest Mortgage Company
- Volvo
- Honda
- Volkswagen Supplier Purchase Program
- GM
- Toyota
- Best Buy
- The Home Depot
- Lowe's
- Nordstrom
- Boeing
- Merck
- SKF
- Oxylane Group
- GE
- TeliaSonera
- Lawson
- DHL
- The Walt Disney Company
- TeliaSonera
- Saks Fifth Avenue
- Staples

Copyright 2017 Open Applications Group, Inc. All Rights Reserved
Hello Dave,

Thanks for the invitation to join OAG. At Campbells Asia Pacific (I am based in Sydney, Australia) we have already adopted OAGIS as our message content schema (canonical form) in our EAI projects. We are a Tibco shop, and leverage the toolset for both B2B and A2A integrations. We reviewed ebXML for the initial B2B integration with a 3PL that was our first EAI project, but since the particular trading partner in question did not have a messaging framework in place enabling the infrastructure level interoperability, we leveraged the default Tibco framework (tibXML) as the most appropriate alternative because it is simpler to implement and to deploy and was sufficient for the 3PL integration.

The principle we've adopted is that all messages hitting the Tibco message "bus" will be mapped into a standard "canonical" XML content schema - OAGIS - to ensure future reuse of any data published on the bus.

We found OAGIS supported most of the B2B transactions we needed for 3PL . . .
Some Industries Supported by OAGIS

- Aerospace
- Automotive
- Agriculture
- Chemical
- Service
- High Tech
- Military
- Metals
- Discrete Manufacturing
- Government Agencies
- Life Sciences
- Retail Supply Chain
- Shipping
Other Industry Adoption Examples

- Telia Sonera
- Land O'Lakes
- US Steel
- Merck
- Ingersoll Rand (Ireland)
- IBM
- National Bank of Abu Dhabi
- UK Ministry of Defence
- General Electric
- SKF (Sweden)
- Black and Decker
- Campbell's Soup (Australia)
- Staples
- Woolworths (Australia)
- British and American Tobacco
- Siemens
- Johnson and Johnson
- Engelhard
- Cargill
- Emerson
- Agilent
The Way Forward
OAGIS 10.X The Way Forward

- The OAGIS Cloud, Mobile, JSON work will be OAGIS Release 10.X based
- Focus for Cloud and Mobile is REST-based API’s using OAGIS components and Nouns
- All new technology and content enhancements will go into OAGIS Release 10.X
- It is the Platform of the Future for OAGIS
Model Concept

OAGIS Model

OAGIS Expression

OAGIS Expression

OAGIS Expression
OAGIS in an RDMS

• Part of our Semantic Enhancement and Tool Working Group
• Put OAGIS in an RDMS and build software to generate objects from our Core Components based on context drivers
• To generate expressions of OAGIS in XSD and JSON
• First versions to support Oracle
• Not replacing XML/XSD, complementing it
Questions?
Some OAGi Registrations
DMES

仓库物流 生产过程 实时报表 数据分析 二次开发

安全制造 健全管理
DMES按照标准化产品模块方式，以提高生产效率、降低运营成本、消除潜在出错和浪费为目标为企业提供最具成本效益的解决方案。
3D Printers operating in enclosed spaces, like homes and offices, produce fumes and concentrations of Ultrafine Particles (UFPs). These emissions can cause runny noses, irritate the throat, lungs, and head, and create long-term health problems. 3DPrintClean filtration systems enable 3D printing in PLA, ABS, HIPS and other media, without external ventilation. In addition to the health benefits, enclosed printing environments reduce warping, curling, cracking and noise.

Underwriters Laboratories Teams Up with Georgia Institute of Technology and Emory University's Rollins School of Public Health, to Examine 3D Printing's Effect on Air Quality & Human Health

- Powered heat sync protects printer from overheating by removing excess heat
- Recirculating ultrafine particle and fume filtration
- Adjustable filtration speed, reduces noise in quiet environments
- Door lock, protects children from hot parts and restricts unauthorized access
- Sealed build chamber, reduces warping, curling, cracking and noise
- Top, front, back and side doors for unobstructed printer access
- Optional spool holder
- Solid construction protects printers from accidental impact

Add on accessories coming soon: Automated fire suppression, thermal cutoff, LED lights, heat kit.
Welcome

BW Systems was started in 1997 focused on UL508A Listed Panel Assembly and Construction. In 2003 we expanded to offer Systems Engineering, design services, and system field service. With our most recent physical expansion, we’ve increase our ability to service large scale panel projects and entire machine staging and testing opportunities.

Who We Are

BW Systems is a Control Systems Integrator and UL Panel Shop. Our staff has the knowledge and skills to deliver results which meet and exceed expectations.

What We Do

With our in house design, engineering, and construction, we are able to accommodate our customers with whatever they need.

Virtual Services

Review your projects remotely with our web-based camera system. Add in descriptive text about the robotic services provided for project review.
Online Backup

Im Shop bestellen und gleich benutzen

Product overview
An attractive offer of various domain, web, mail and backup solutions are now available directly in the shop and in 15min online.

.ch domain moving
From 0.-
From 2015 SWITCH does not manage domains anymore.
Now move to rhone.ch without interruption.

Glass fiber
Up to 1 Gbps

- Ultrasound internet access
- Telephony with the highest voice quality
- Television with additional functions
- Home and Teleworking with high efficiency

From 40.-
Enterprise Business Applications Are Hard

WE CAN HELP

LEARN MORE
BRAND AFFINITY THROUGH CUSTOMER CENTRICITY
Consumers Drive Key Digital Shift in Retail
Developing the Next Generation of Connected Offerings in Atlanta

Making customers connected, safe, productive and secure, Honeywell will house its state-of-the-art software center and Home and Building Technologies global headquarters at 715 Peachtree in Midtown Atlanta.

OUR CONNECTED OFFERINGS
A Global conglomerate - adding value to people’s lives.

$7 BILLION

110,000 PEOPLE

31 COUNTRIES

OUR BUSINESSES
Deeper collaboration business process implementation has brought clear cost savings to our operating expenses especially in maintenance.

Connect your partners!

Your company is in the middle of the network of your industry partners. Collaxion technology and services help your network to maintain and optimize efficiency of operations and save transactional costs through business digitalization. The Collaxion™ platform is the core of the information brokering services. It facilitates effective business communication and data and documents exchange capability in investment projects and daily maintenance.

What's new

Digitalization revolutionizes Operation & Maintenance

— Posted October 18, 2016 in Published articles by Arto Marttinen


Digitalizing process industry plant lifecycle businesses
The Collision Industry landscape is constantly changing. CIECA's complimentary whitepapers and executive briefings help make sense of this environment.

Review CIECA's Complimentary Whitepapers and Executive Briefings
Related Categories: Water Filters, Kitchen Faucets, Water Dispensers, Water Filter Parts, View More

Sort by: Best Match, Orders, Newest, Seller rating, Price

Price: min - max

Free Shipping, ★★★★★ & Up, 1 Piece Only, Domestic Returns, App Only deals

Shi from

View:

Home > All Categories > "water purifier" 6,092 Results

2016 Household water purifier Double filter core countertop faucet water filter Ceramic and compressed activated carbon filter

US $53.99 / piece
Free Shipping
★★★★★★ Feedback (58) | Orders (100)
Add to Wish List

In-Line Shower Filter Softener Chlorine Removal Water Purifier For Home Bathroom Kitchen For Health

US $11.00 / piece
Free Shipping
★★★★★★ Feedback (64) | Orders (75)
Add to Wish List
EDENRED LAUNCHES EDENSTEP, ITS GRADUATE PROGRAM

EDENRED launches #Edenstep, a graduate program that offers 24 months of professional experience! 
https://t.co/6ZSOGCA6s
AYPL Consulting (the IPL Consulting) - a consulting company created by experts with years of experience in the business processes of reform and implementation of corporate information systems in organizations and enterprises of Russia and CIS. We provide a full range of management consulting services, as well as installation, maintenance and technical support for Infor solutions.

Activities:

» Development and implementation of business processes based on industry best reference models. The projects are implemented on the basis of ERP Infor LN system, using industry-specific solutions for companies with discrete design and the type of production;

» Construction of the integrated performance management system of the enterprise on the basis of solutions Infor d/EPM. Creating business planning, budgeting, forecasting, financial consolidation and business intelligence for companies of medium and large businesses in various industries;

» Formulation and implementation of supply chain management processes (Supply Chain Management), including the application of LEAN principles and tools ("Lean") in production and logistics, corporate logistics centralization of functions and system of classification and coding;

» Automation of distribution centers and complexes mnogoskladskimi based solutions Infor SCM WM.
Notícias em Destaque

Diretor das Unidades de Pesquisa diz que MCTIC negocia realização de concurso público

2017-02-03 19:07:35

Em reunião no auditório do Instituto Nacional de Tecnologia (INT), nesta quinta-feira (2/02), o diretor de Gestão das Unidades de...
What’s your FICO® Credit Score?

Find out now when you check your Credit Report for $1

- Checking your own credit will NOT lower your Score
- 90% of top lenders use FICO Scores
- Toll-free support available 7 days a week

Get your Credit Report and FICO Score

IMPORTANT INFORMATION

When you order your $1 Credit report and FICO® Score 8, you will begin your 7-day trial membership in Experian CreditWorks®. If you don’t cancel your membership within the 7-day trial period, you will be billed $21.95 for each month that you continue your membership. You may easily cancel your trial membership online anytime within the trial period without charge.

Credit score calculated based on FICO® Score 8 model. Your lender or insurer may use a different FICO® Score than FICO® Score 8, or another type of credit score altogether. Learn More.
CASE STUDY

Indonesian cement plant ensures continued production with upgrades to Symphony Plus Control System

→ Learn more
Working smarter, together is increasingly important in the health sector. Effective solutions that can be developed and shared between District Health Boards are required to meet the rising demand for healthcare and cost of new clinical equipment.

Together we can make a difference. That’s why the country’s 20 DHBs created NZ Health Partnerships. Working with the DHBs, NZ Health Partnerships identifies and builds shared services for the benefit of the health sector. And by thinking, acting and investing collaboratively, DHBs can achieve greater benefits than they would by operating independently.
Get a grip on Contingent Workforce

The **staffing process** for contingent workers often takes precious time. We offer an integrated tool that helps you to optimise and facilitate the search, source, contract and management of these workers.

Read more
Welcome to Finisar
Global Leader in
Optical Communications

Technology Innovator. Broad Product Portfolio. Trusted Partner.
Finisar is the world's largest supplier of optical communication products. For nearly three decades, we have led the
industry in creating and delivering break-through optics technology and world-class products that improve the way we
communicate. Join us.
RPMGlobal launches the Underground Metals Solution
A Planning and Scheduling Solution specifically tailored for Underground Metals Mines.
Cognitively smart personalized learning platform for life + work situations.

Learning-savvy checklists, bots & enterprise plug-ins for you and your team.

SCHEDULE A DEMO
SPGPrints Group

SPGPrints is the global leading provider of integrated solutions for textile, label and industrial markets, and is the leading manufacturer of precision metal components.

Innovating your business through cutting-edge solutions
A TRANSFORMATIVE AGE OF NEUROLOGY

As a leading company in the fight against multiple sclerosis, Biogen is applying its expertise to help address some of the most challenging and complex diseases of the brain.

Learn More

SPINRAZA® (Nusinersen) Approved in the European Union as First Treatment for Spinal Muscular Atrophy

Approved to Treat Broad Range of People with SMA Robust Data From Phase ...
Cleo solutions move $275 billion of transactions across the planet every day

Learn More

Cleo Integration Suite

The Cleo Integration Suite accelerates business value by seamlessly connecting systems, people, and processes to deliver real-time integration and visibility into information workflows across B2B, application, cloud, and big data use cases.
Questions?
Farewell

- Thank you to all for your fine work with OAGi
- Thank you for the honor to serve these 22 years
- It has been my honor to know you
- I will miss you all
- Best wishes to all of you in your careers and lives