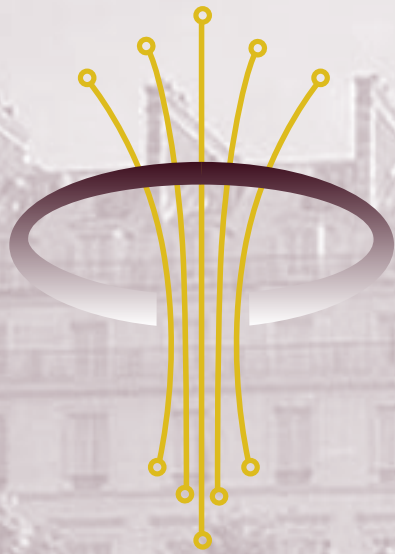


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OSGi™ Alliance

2005 Developer Forum & World Congress

InterContinental Paris Hotel • Paris, France

Driving Dynamic Services to the Next Level

NEW FOR
2005

Developer Forum

October 11-12, 2005

- Valuable Insights into **OSGi Release 4**, Including New Modularization Features, New Permission Management Models, and **Other Enhancements**
- Discussion on OSGi Technology and Its Relation to J2EE, J2ME, OSCAR, Eclipse, Knopflerfish, CDC, CDLC, MIDP, OMA DM, JCP, and .NET

World Congress

October 13-14, 2005

- Presentations by **International Industry Leaders** in the **Mobile, Automotive Electronics, Connected Home and Service Provisioning Markets**
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Dear Colleague:

The OSGi Alliance is pleased to invite you to its **2005 Developer Forum & World Congress**, October 11-14 at the Intercontinental Hotel in **Paris, France**. This year's event focus will be on **Release 4 (R4)** of the **OSGi Service Platform**, and the business, technological, and development implications of this release for the **mobile, telematics** and **digital home** markets.

The Developer Forum – a new addition for 2005 – targets individuals and companies who want learn how the OSGi Service Platform provides a development environment for new applications and services. With a faculty of international experts, this Forum will focus on R4's intersection from a development and technology perspective with **J2EE, J2ME, OSCAR, Eclipse, CDC, CDLC, MIDP and .NET**. Focusing on *how to* not just *what is*, the Developer Forum is a must-attend for **independent developers** and those from **large and small organizations** alike. The event promises to deliver two full days of cutting-edge content through presentations, panels, and hands-on demonstrations.

The 4th annual *World Congress* will highlight **how the new release delivers business value** to the mobile, telematics, and digital home markets. Featuring plenary sessions, breakouts, and Town Hall panels, the Congress will highlight:

- The **spread of OSGi technology** around the world
- First hand insights into how organizations are using OSGi technology to **develop incremental revenue and profit pools**
- How OSGi Alliance user forums are proliferating OSGi based solutions in their regions
- Perspectives on the **business models driving the adoption** of OSGi based technology
- **Emerging applications** and volume markets where OSGi solutions are the basis for **opportunistic growth**

Previous OSGi Alliance events have drawn a global delegation of senior executives, product managers, technology managers, analysts, developers, and engineers. I invite you to be a part of this exciting event so you can learn and network with industry leaders. Please take a few minutes to review this brochure – **and register today!**

Sincerely,



John R. Barr, Ph.D.

President, **OSGi Alliance**

Director, Standards Realization, **Motorola**

Featured speakers include:

Andre Elia Assad, System Engineer, Cesar, **BRAZIL** • Dan Bandera, Program Director, Emerging Device Standards and Strategy, IBM, **USA** • John Barr, Ph.D., Director, Standards Realization, Motorola, **USA** • Jon Bostrom, Chief Architect Java, Nokia, **USA** • Hans-Werner Bitzer, Systems Integration Director, T-Systems International/Deutsche Telekom, **GERMANY** • Jim Colson, Distinguished Engineer, Chief Architect, IBM Client Software, **USA** • Mikael Desertot, Ph.D. Student, University of Grenoble, **FRANCE** • Didier Donsez, Ph.D. Student, University of Grenoble, **FRANCE** • Eddie Drake, Vice President, Software Development, Myrio, **USA** • Karim El-Khazen, Technical Manager, Motorola, **FRANCE** • Tom Enderes, CEO, Gatewide LLC, **USA** • Clément Escoffier, Ph.D. Student, University of Grenoble, **FRANCE** • Stephane Frenot, Associate Professor, Inria, **FRANCE** • Volker Fricke, Solution Architect, Telematics, IBM, **GERMANY** • Ted Habeck, Advisory Software Engineer, IBM, **USA** • Kai Hackbarth, Product Manager, ProSyst Software, **GERMANY** • Richard S. Hall, Ph.D., Invited Researcher, OSGi Alliance and OSCAR Participant, **FRANCE** • Craig Hayman, Vice President of Solutions Development, IBM Software Group, **USA** • BJ Hargrave, Senior Software Engineer, IBM, **USA** • Vince Izzo, Senior Manager New Business Development, Motorola, **USA** • Thomas Hott, CEO, ProSyst Software, **GERMANY** • Yad Jaura, European Marketing Manager, iAnywhere Solutions, **USA** • Deepak Kamlani, President, Global Inventures, **USA** • Ryutaru Kawamura, Senior Manager, NTT, **JAPAN** • C.K. Ko, Vice President, Corporate Technology Operations, Samsung Electronics, **SOUTH KOREA** • Peter Kriens, President, aQute, **FRANCE** • Christoph Kuhmünch, Research Assistant, Siemens AG, **GERMANY** • Detlef Kuck, Team Leader, Telematics & Navigation Research, Ford Research Centre • Antonio Kung, Founder/Director, Trialog, **FRANCE** • Miguel Lopez, Software Architect, Siemens VDO Automotive, **FRANCE** • Hiroyuki Maeomichi, NTT Cyber Solutions Laboratories, **JAPAN** • Davide Mancuso, Software Architect, Esmertec, **SWITZERLAND** • Andres Manso, CTO, Hogar Digital, **SPAIN** • Dave Marples, Ph.D., Chief Architect, EU Global System for Telematics, Telecordia Technologies • Jeff McAffer, Eclipse Architect, IBM, **CANADA** • Stan Moyer, Executive Director, Telcordia Technologies, **USA** • Hans-Ulrich Michel, Project Manager, Information, Communication & Telematics, BMW, **GERMANY** • Mark Newman, Chief Research Officer, Inform Telecoms & Media, **UNITED KINGDOM** • Marcel Offermans, Senior Software Engineer, Luminis, **THE NETHERLANDS** • Amir Okhravi, Software and Services Business, Siemens VDO, **FRANCE** • Olivier Pavé, Software Architect, Siemens VDO Automotive, **FRANCE** • Paolo Pastorino, Project Manager, Telecom Italia, **ITALY** • Marco Pistoia, Ph.D., Research Staff Member, IBM, **USA** • Enrique Rodriguez, PMC Member, Apache Directory Project, Apache Software Foundation, **USA** • Henning Reich, Senior Product Manager, Siemens Mobile, **GERMANY** • Susan Schwarze, Ph.D., Marketing Director, ProSyst Software, **GERMANY** • Earl Sorensen, Project Leader, Projects & Services, Siemens VDO, **FRANCE** • Staffan Truvé, Ph.D., CEO, Knoplerfish, **SWEDEN** • Dimitar Valtchev, Ph.D., CTO, ProSyst Software, **GERMANY** • Thomas Walz, IT Architect, IBM, **GERMANY** • Ikuo Yamasaki, Researcher, NTT Cyber Solutions Laboratories, **JAPAN** • Kumanan Yogaratham, CTO, Espial Group, **CANADA** • Javier Zamora, General Manager, eNeo labs, **SAUDI ARABIA**

08:00

Registration; Coffee & Breakfast Pastries

09:00

Chairperson's Opening Remarks

John Barr, Ph.D., *President, OSGi Alliance; Director, Standards Realization, Motorola*

09:15

OSGi Release 4 Service Platform Overview

Session Moderators:

Peter Kriens, *President, aQute*

BJ Hargrave, *Senior Software Engineer, IBM*

- The road to R4: A technical history of OSGi technology
- Insights key features and benefits of R4
- Roll-out a timeline

OSGi R4 Service Platform: Core Platform

Core Platform (CPEG) - Highlighting the Declarative Service, Modularity, Configuration Administration, Security, Event Administration, Extension Bundles and features and other enhancements

OSGi R4 Service Platform: Mobile

Mobile Expert Group (MEG) - Highlighting the deployment package and resource processor, OAT, DMT Administration, Download and Deployment Management Object Features and other enhancements

10:45

Networking & Refreshment Break

11:00

OSGi R4 Service Platform Vehicle

Vehicle Expert Group (VEG) - Highlighting the Control Unit and Power Management features and other enhancements

11:30

Release 4 Framework Features

Infusion of OSGi Technology into a J2EE Application Server

This presentation investigates the use of an OSGi Framework inside a J2EE Java Application Server. Leveraging the deployment capabilities of the OSGi Framework, enable an application server to deploy service on an "as needed" basis while making it possible to take advantage of the OSGi Framework's service-oriented architecture for service trading by the container. Moreover, it is possible to update, uninstall or stop the services. This architecture has been implemented and experimented with JONAS and Oscar; this presentation will describe it and its benefits.

Mikaël Desertot, *University of Grenoble*

Didier Donsez, *University of Grenoble*

12:15

Luncheon

13:45

New Modularity Features of the OSGi R4 Service Platform

The OSGi core Framework has undergone more changes in this release than in any other since its inception. Behind these changes is the new focus on viewing the Framework as providing a modularity layer for Java. This has resulted from a growing interest to use OSGi technology as an application Framework for building extensible systems, such as application servers or plug-in-based platforms. This presentation will discuss the modularity-related changes to the R4 core Framework that were introduced to support such new usage scenarios.

Richard Hall, Ph.D., *Invited Researcher, University of Grenoble*

The Apache Directory Server- and the OSGi Service Platform

With the coupling of the Apache Software Foundation and the OSGi Alliance, end-users reap the benefits of an open-source platform and the OSGi Alliance's work in component models. The first Apache project to use OSGi technology was the Apache Directory. Apache Directory provides an enterprise directory server platform where other Internet protocol providers snap-in to store their data within the directory so they may be managed using LDAP, JMX, a console, or an embedded web interface. This presentation will review the developers' decisions to choose the OSGi Service Platform and the benefits to the Apache Directory project's results.

Enrique Rodriguez, *PMC Member, Apache Directory Project, Apache Software Foundation*

14:45

The Trial of CPEG: Panel Discussion and Open Q&A

Session Moderators:

Peter Kriens, *President, aQute*

BJ Hargrave, *Senior Software Engineer, IBM*

15:15

Networking & Refreshment Break

15:30

Deploying OSGi Technology on an Eclipse Platform

Eclipse as a Rich Client Platform

Eclipse is an open source software platform based on an implementation of the OSGi Framework specification. This talk outlines how Eclipse and OSGi technologies combine to form a powerful and compelling solution to one of today's fundamental software development problems, componentization. We present several use-cases where the use of Eclipse as a development platform and Eclipse and OSGi Frameworks as a runtime have fundamentally changed the way organizations innovate and develop software.

Jeff McAffer, *Eclipse Architect, IBM*

An Open Source OSGi Plug-In for Eclipse

This presentation will introduce work that eases development and testing of OSGi bundles by providing a plug-in for the widely used extensible Eclipse IDE. This project is open source and provides Eclipse with a new OSGi project type; specific editors for bundle manifests and for other structured metadata; tools to help with the use of OBR (Oscar Bundle Repository); and gateway management for deploying, packaging and deploying bundles. This presentation will focus on what is currently implemented and the road map for how it will evolve toward larger scale gateway management and its integration with other Eclipse deployment tools.

Mikaël Desertot, *University of Grenoble*

16:30

Maximizing the Robustness of OSGi Solutions

Increasing Robustness by Code Instrumenting : Monitoring and Managing Computer Resource Usage on OSGi Frameworks

OSGi Frameworks allow a bundle or a thread created by a bundle to easily starve computer resources either maliciously or through error, lowering the performance of other bundles on the same Framework. Monitoring and managing threads and bundles is very important in providing services on Frameworks. We designed a system to monitor and manage (locally or remotely) the CPU usage of threads and bundles with no external modification, regardless of the OSGi Framework used. This presentation will show the system design and prototype implementation which uses byte code weaving techniques, AspectJ, and JMX (Java Management eXtention) of J2SE5.0.

Ikuo Yamasaki, *Researcher, NTT Cyber Solutions Laboratories*

OSGi Applications Testing

This discussion will focus on approaches that software developers can use to test OSGi applications, using a TCK-like way of test, and the OSGi test Framework. The OSGi test Framework is a platform where the Test Cases itself are OSGi services, and the Test Control have access to both Bundle Context and the Registry. Therefore, the later is not only over the control of the test cases, but the whole OSGi Framework, which gives the developer the freedom to simulate any kind behavior his application might have in an OSGi environment. In an OSGi environment applications consist of bundles that the Service Platform is capable of manage dynamically - challenging test cases developers to evaluate expected results of various services in only one application.

Andre Elia Assad, *System Engineer, Cesar*

Guidelines to Improve the Robustness of the OSGi Framework and Its Services Against Malicious or Badly Coded Bundles

This session will study how a malicious bundle can take profit of missing security features to use more resources than expected. For instance, a bundle cannot be forced to stop: if it lets its threads run and doesn't nullify its references to other bundles the Framework has no means to prevent this. Bundle developers will learn how to increase the robustness of bundles that provide services to others, and offer a general check list on how to behave properly in an OSGi environment. This presentation is the result of research done within PISE, an RNRT project partly funded by the French Ministry of Industry.

Michel D'Hooge, *Senior Engineer, Trialog*

18:00

Close of Day One

08:00

Coffee & Breakfast Pastries

8:45

Chairperson's Remarks

John Barr, Ph.D., *President, OSGi Alliance; Director, Standards Realization, Motorola*

09:00

Keynote Presentation

Integrating the OSGi Service-Oriented Architecture into the Enterprise

The critical need to address on-demand Enterprise requirements with a robust, proven, open Service Oriented Architecture will be discussed and a developer's roadmap for successful deployment will be provided.

Jim Colson, *Distinguished Engineer, Chief Architect, IBM Client Software & Pervasive Computing*

10:00

Networking & Refreshment Break

10:15

Vertical Solutions of the OSGi Service Platform

Using OSGi R4 Service Platform Specifications in Vehicle Systems

OSGi Service Platform Specification Release 4 will mark a milestone for Siemens VDO Automotive - leading us as vehicle embedded system provider based on OSGi technology to think of why when and how to use the specification. OSGi Service Platform originally targeted "small devices", while R4 plans to address a large device range. The study will go through all enhancements and new features to demonstrate whether it is applicable and relevant for vehicle domain.

Miguel Lopez, *Software Architect, Siemens VDO Automotive*

Open Management Using OSGi Technology Enabled Services

More and more services are brought to connected homes, published and operated by a variety of service providers, with each provider owning his connectivity box. OSGi technology aims at mixing these services inside one box, thus opening the service delivery chain in the home gateway model. However, the opening of the management for these services has not been defined yet, thus tying service providers to the gateway operator. We propose a model in which each service provider manages his own services, enumerating the requirements that emerge from this open management scheme. To isolate services by different providers, we present the sub-gateway model and the associated management plane, and show how they comply with the general OSGi reference architecture. Finally, we detail our model validation implementation using JMX.

Stephane Frenot, *Associate Professor, Inria*

Daidalos Pervasive Services and the OSGi Service Platform

The Daidalos Pervasive Service Platform is designed to be an enabling technology for a wide range of service types. It may provide access to content, structured information, and may control access to hardware devices like printers, displays, speakers or microphones. For pervasive computing the platform allows for the access of services with arbitrary end devices; standardized interfaces thus making sure that organizations can develop compatible implementations; and functionality to enable third parties to develop exciting new services. To accomplish these goals the Daidalos team has based its architecture of a Pervasive Service Platform on the OSGi Service Platform and its concepts. This tutorial will report on our experiences using OSGi technology, giving examples of how to use the Daidalos Pervasive Service Platform.

Christoph Kuhmunch, *Research Assistant, Siemens AG*

12:00

Luncheon

13:30

Maximizing OSGi Service Framework Programming

Creating a Service Platform for .NET

The OSGi specification defines a Java-based service platform for dynamically deploying services into networked environments. OSGi technology is now being used in the automotive and mobile telecommunications industries and has found success as a Java application extensibility mechanism. Its growing influence is a factor of its support of a dynamic service deployment life cycle and its amenability to remote management. Microsoft's .NET platform can improve upon the Java platform, but it still lacks explicit support for building dynamically extensible systems like those made possible by the OSGi Framework for Java. We present the results of work trying to create a .NET platform with features similar to the OSGi Service Platform.

Clément Escoffier, *University of Grenoble*

Service Binder

The complexity of OSGi programming can be addressed with the use of Aspect Oriented Programming (AOP). Programming for the OSGi Framework has many aspects that can be described separately from the main code. For example, binding of services, logging, web pages, security, all require much repetitive and boring code that can be refactored out of the main line code with AOP. AOP works by rewriting byte codes. This presentation shows some intriguing examples of how this works and why it gives the simplicity of normal Java programming while providing all the power of the the OSGi Service Platform.

Peter Kriens, *President, aQute*

Programming an OSGi Application with Eclipse

Tutorial

This talk covers the bundle development facilities in Eclipse and shows how to create, manage, run, debug and build bundles from within Eclipse. The underlying Eclipse implementation of the OSGi Framework specification is covered in some detail as are some deployment management technologies such as the Eclipse Update Manager and Java Web Start.

Jeff McAffer, *Eclipse Architect, IBM*

Automatically Managing Service Dependencies in an OSGi Environment

In a service-oriented framework, applications are composed of several cooperating services. These networks of services are often dynamic in nature, and managing dependencies is often a repetitive but non-trivial task. This session will evaluate the different ways in which you can manage dependencies in the OSGi framework and propose a solution that automates most of the work.

Marcel Offermans, *Senior Software Engineer, Luminis*

15:30

Networking & Refreshment Break

15:45

Security & Configurability in OSGi Deployments

Enabling Java 2 Runtime Security with Eclipse Plug-ins

Tutorial

The default Java Virtual Machine security policy file specifies the permissions to be granted to Java code sources at runtime. The process of determining runtime permissions often involves code review, and requires applying the use of "off the shelf" runtime-analysis tools to determine permission requirements. In Eclipse 3.1, a custom implementation of the Java SecurityManager can be enabled which enforces Java 2 security without requiring a hand-crafted java policy file. However, the problem of determining Java 2 permission requirements remains. This session will present the work within the Equinox project of Eclipse.org to enable Java 2 runtime security, and provide a demonstration of Security Related Eclipse plug-ins developed to address the needs of Java developers performing security related tasks.

Ted Habeck, *Advisory Software Engineer, IBM*

Marco Pistoia, Ph.D., *Research Staff Member, IBM*

Using OSGi Technology for Secure Service Discovery

Seamless inter-working is a prerequisite for the deployment of pervasive computing applications for consumers at home. This presentation will discuss approaches where service discovery and security are firmly intertwined and embedded in the architecture; how a security architecture articulated around the notion of secure communication tunnels and security modules can be used to allow the specification of a secure service discovery mechanism, featuring peer-to-peer, as well as registry-based discovery, and cluster-based policy management; and how this can be implemented in an OSGi Framework and in how legacy service discovery mechanisms such as UPnP or EHS can be supported.

Antonio Kung, *Founder/Director, Trialog*

Security & Configurability in OSGi Deployments (continued)

Leveraging OSGi Technology for End-to-End Reconfigurability: Enabling a Seamless Experience

The End-to-End Reconfigurability (E2R) project aims at realizing the full benefits of the diversity within the radio eco-space, composed of wide range of systems. The key objective of the E2R project is to devise, develop, trial and showcase architectural design of reconfigurable devices and supporting system functions. The technical research into the different concepts (system architecture, equipment management, resources management, etc.) is complemented by an important research stream on business modeling. The presentation will introduce the E2R initiative, the proposed device management Framework and the first research outcomes.

Karim El-Khazen, *Technical Manager, Motorola*

17:15

Next Generation OSGi Technology

Technology Requirements for the Next Generation OSGi Environment

Within two days the OSGi Alliance Developers Forum will introduce the coming OSGi R4 Service Platform technology specifications as well as other OSGi based technical innovations. During this session the plenum is invited to discuss together, with leading industry and OSGi experts, the new technical requirements for the next generation OSGi environment.

Kai Hackbarth, *OSGi Requirements Chair, Product Manager, ProSyst Software*

17:45

Closing Remarks

18:30

Networking Cocktail Reception

Joint reception for attendees of the Developer Forum and World Congress in the Exhibit Hall



OSGi Alliance World Congress

Thursday, October 13, 2005

07:30

Registration; Coffee & Breakfast Pastries

08:30

Opening Remarks & Introduction of Conference Chair

Deepak Kamlani, *President, Global Inventures*

08:45

Chairperson's Remarks: OSGi Alliance Status Address

Remarks examine the Alliance since its inception, highlighting current status and future growth opportunities.

John Barr, Ph.D., *President, OSGi Alliance; Director, Standards Realization, Motorola*

09:30

Keynote Presentation

The Benefits of an Open Service Oriented Architecture in the Enterprise

Improved return on investment (ROI), faster time to market or deployment, better reuse, service location transparency, better scalability, and more maintainability are among the many benefits of an open, standardized Service Oriented Architecture. Hear why IBM thinks these are essential to the modern, on demand Enterprise, and is bringing these benefits and more to them with technologies standardized by the OSGi Alliance.

Craig Hayman, *Vice President of Solutions Development, IBM Software Group*

10:15

Networking & Refreshment Break/Exhibit Viewing

10:45

The Business Case for OSGi Technology & Unveiling Release 4

This session will provide a 'business friendly' overview of R4, with speakers highlighting how this release delivers business value to the mobile, telematics, and digital home ecosystems. The session will conclude with a panel discussion and Q&A.

Session Moderator:

Susan Schwarze, Ph.D., *Vice President of Marketing, OSGi Alliance; Marketing Director, ProSyst Software*

Release 4 from a Business Perspective

Peter Kriens, *OSGi Alliance Fellow; Technology Officer and President, aQute*

The Business Case for the Mobile Ecosystem

Jon Bostrom, *Co-Chair OSGi Alliance Mobile Expert Group; Chief Architect Java, Nokia*

Panel Discussion and Open Q&A

All Session Participants

12:30

Networking Luncheon

14:00

Global Deployment of OSGi Technology

In the last twelve months, as OSGi technology has gained global traction, User Forums have been established around the world to proliferate OSGi based solutions in relation to regional market needs. This session will focus on what each forum is doing to maximize the adoption of OSGi technology in their value chain. The session will conclude with a panel discussion and Q&A.

Session Moderator:

Dan Bandera, *Vice President of Americas, OSGi Alliance; Program Director, Emerging Device Standards and Strategy, IBM*

OSGi Users' Forum – France

Olivier Pavé, *Co-Chair Vehicle Expert Group, OSGi Alliance; Software Architect, Siemens VDO Automotive*

OSGi Users' Forum – Japan

Ryutaru Kawamura, *Senior Manager, NTT*

OSGi Users' Forum – Korea

Chung-Kon, Ph.D., *Vice President, Corporate Technology Operations, Samsung Electronics*

Panel Discussion and Open Q&A

All Session Participants

15:30

Networking & Refreshment Break/Exhibit Viewing

16:00

Town Hall

Business Implications of Open Source OSGi Implementation

OSGi specifications have traditionally defined a Java based service platform for service delivery and deployment in multiple environments. Recent developments point to another model - as demonstrated by the Equinox, OSCAR, Knoplerfish implementations to name a few. Our experts explore the business implications of this trend, including:

- Will an Open Source OSGi implementation movement disrupt today's business models?
- Who is threatened, who gains?
- Is an Open Source OSGi implementation model sustainable in the long term?

Moderator: BJ Hargrave, OSGi Alliance Fellow & CTO; Senior Software Engineer, IBM

Panelists:

Richard S. Hall, Ph.D., *Invited Researcher, OSGi Alliance and OSCAR Participant*

Jeff McAffer, *Project Leader, Eclipse Equinox*

Christer Larsen, *CEO, Gatespace Telematics and Knoplerfish*

Enrique Rodriguez, *Product Architect, Apache Software Foundation*

Deepak Kamlani, *President, Global Inventures*

18:00

Chairperson's Wrap-up and Review of Day One

John Barr, Ph.D., *President, OSGi Alliance; Director, Standards Realization, Motorola*

08:00

Coffee & Breakfast Pastries

08:30

Chairperson's Remarks

John Barr, Ph.D., *President, OSGi Alliance; Director, Standards Realization, Motorola*

09:30

CONCURRENT TRACKS

Vertical Focus 1

OSGi Service Platform and the Automotive/Telematics Ecosystem

Moderated by:

Dave Marples, Ph.D., *Chief Architect, EU Global System for Telematics, Telecordia Technologies*

End-to-End Architectural Considerations for Supporting Telematics Solutions – The Importance of OSGi Technology

Volker Fricke, *Solution Architect, Telematics, IBM*

10:30

Networking, Refreshment Break/
Exhibit Viewing

10:45

An OSGi Environment for Flexible Service Concepts

Detlef Kuck, *Teamleader Telematics & Navigation Research, Ford Research Centre Aachen*

End-to-End Architectural Considerations for Supporting Telematics Solutions

Thomas Walz, *IT Architect, IBM*

Hans-Ulrich Michel, *Co-Chair Vehicle Expert Group, OSGi Alliance; Project Manager, Information, Communication & Telematics, BMW*

System & User Personalization in the Car with OSGi Technology

Amir Okhravi, *Software & Services Business, Siemens VDO*

Earl Sorensen, *Project Leader, Siemens VDO*

12:30

Luncheon

Vertical Focus 2

OSGi Service Platform and the Mobile Ecosystem

Moderated by:

John Barr, Ph.D., *President, OSGi Alliance; Director, Standards Realization, Motorola*

Mobile Middleware and Mobility in the Enterprise - How OSGi Specifications Addresses the Needs

Yad Jaura, *Marketing Manager, iAnywhere Solutions (Sybase)*

Usage of OSGi Technology on Mobile Devices – CDC and CLDC Application Models

Dimitar Valtchev, Ph.D., *CTO, ProSyst Software*

10:30

Networking, Refreshment Break/
Exhibit Viewing

10:45

Migrating to a Robust and Rich Application Environment

Davide Mancuso, *Principle Architect, Esmetec*

12:30

Luncheon

Vertical Focus 3

OSGi Service Platform and the Digital Home Ecosystem

Moderated by:

Stan Moyer, *Executive Director, Telecordia Technologies*

Service Aggregation Platform for Delivery and Management of OSGi Technology Based Home Service

Hiroyuki Maeomichi, *NTT Cyber Solutions Laboratories*

The Role of OSGi Technology in the Home Gateway Initiative (HGI) and End to End Connectivity and Service Provisioning

Paolo Pastorino, *Project Manager, Telecom Italia, CTO, HGI*

10:30

Networking, Refreshment Break/
Exhibit Viewing

10:45

OSGi Technology Based Product/Service Packages for Multi-tenant/Multi-dwelling Residential Buildings

Javier Zamora, *General Manager, eNeo labs*

A User Interface Model for OSGi Applications in the Digital Home

Kumanan Yogaratnam, *CTO, Espial Group*

Eddie Drake, *Vice President, Software Development, Myrio*

The OSGi Service Platform in the Smart Home and Appliance and Energy Management Ecosystem

Paul Kopff, *Research Engineer, EDF*

12:30

Luncheon

Sponsorship and Exhibition

Take advantage of the sponsorship and exhibiting opportunities that are available at this year's **OSGi Alliance Developer Forum & World Congress** to raise the profile of your company's products and services and reach potential customers and partners. Opportunities are limited. For full details, contact Gary Hill at 508-614-1239 or ghill@ibcusa.com .

Opportunities include sponsorship of attendee gifts, receptions & refreshment breaks, luncheons, tote bags, and more customized opportunities.

About the Lead Sponsor

IBM provides a robust infrastructure for your on demand environment based on open industry standards like those of the OSGi Alliance. Integration demands open standards. With billions of smart devices interacting, the problems of integration cannot be solved easily with a proprietary approach. The OSGi Alliance and its Service Platform are vital links in the value chain of open industry standards helping to make possible new worlds of on demand solutions based on intelligent, networked devices in business, mobile, vehicle, or home environments.



PLENARY SESSION

14:00

Town Hall

From Proof Points to Volume: Getting to the Mass Market

OSGi technology has enjoyed success with the developer community and with corporate research staff developing the next generation of services and solutions. What is required to place solutions based on OSGi technology into the mainstream and generate a volume business and market? Panelists will draw on content from the vertical focus sessions and discuss the key actions that must occur for the OSGi Alliance and its technology to move from proof points to volume.

Moderated by:

Stan Moyer, Executive Director, **Telecordia Technologies**

Panelists:

Thomas Hott, CEO, **ProSyst Software**

Vince Izzo, Director, Business Development, **Motorola**

Mark Newman, Chief Research Officer, **Informa Telecoms & Media**

Peter Van Der Perre, GST Manager, **Ertico**

Panel Discussion and Open Q & A

All Session Participants

Venue & Travel Information

InterContinental Paris

3 Rue De Castiglione, Paris, 75001, France

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The InterContinental Paris enjoys a superb location on rue de Castiglione facing the spectacular Tuileries Gardens. The hotel lies just minutes from the Louvre Museum and the Champs-Elysees, within easy reach of the city's key cultural, shopping and financial and shopping districts. A block of rooms has been reserved for OSGi Alliance Developer Forum & World Congress attendees. Room reservations can be made by contacting the hotel directly.

DISCOUNTED AIR TRAVEL RESERVATIONS: For all air travel arrangements, including international, please call or write our official air travel agency, Commonwealth Travel Advisors, to book your travel via our airline of choice, American Airlines. E-mail: jdwyer@traveladvisors.com or call: USA: +1 888 703 4286 or +1 508 366 3660; International: +1 508 366 3660. Please be certain to mention OSGi Alliance along with the conference title, date and conference code M1016 when e-mailing or calling.

DISCOUNTED HOTEL RESERVATIONS: Please call the hotel directly before September 16, 2005 to be included in our dedicated room block for this conference. Please be certain to mention OSGi Alliance along with the conference title and date of the conference. A non-refundable deposit for one room night will be required when your reservation is made.

15:30

Networking & Refreshment Break

16:00

Beyond R4: Emerging Applications for the OSGi Service Platform.

OSGi technology enables applications where pervasive services and computing feature prominently. The Mobile, Telematics and Connected Home ecosystems have been the primary adopters of the technology so far. What other and new applications are emerging as candidates for future adoption? Which markets are available and/or addressable and is the wireless, broadband, enterprise software, autonomic computing the next frontiers? This session will highlight some of the candidates and provide a view into what's next for OSGi specifications.

OSGi Technology in the IST Integrated Project

Hans-Werner Bitzer, Systems Integration Director, T-Systems International/
Deutsche Telekom

OSGi Technology in the IP Multimedia Subsystem (IMS) for Converged Network Services

Stan Moyer, Executive Director, **Telecordia Technologies**

OSGi Service Platform in Home Control, Entertainment and Communications Applications

Andres Manso, CTO, **Hogar Digital**

OSGi Technology and IP-Based Video Surveillance in Home Security, Access Control, and Personal Care

Tom Enderes, CEO, **Gateway LLC**

Prashant Viswanathan, Co-Founder, **Gateway LLC**

Providing a Holistic, Service-Oriented Infrastructure for Integration of Real-World Data with Enterprise Solutions

Thomas Odenwald, Head of Smart Items Research Program, **SAP Research**

Panel Discussion and Open Q & A

All Session Participants

18:00

Chairperson's Closing Remarks

John Barr, Ph.D., President, **OSGi Alliance**; Director, Standards Realization,
Motorola

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REGISTRATION SUBSTITUTIONS/CANCELLATIONS: In order to receive a prompt refund, your notice of cancellation must be received in writing (by letter or fax) 15 working days before the conference. We regret cancellations will not be accepted after that date. However, we will be pleased to transfer your registration to another member of your company at any time. If you plan to send someone in your place, please notify us as soon as possible so that materials can be prepared. All cancellations will be subject to a \$250 USD processing fee. If the event producers cancel an event, they are not responsible for any airfare, hotel or other costs incurred by registrants. Speakers and agenda subject to change without notice.

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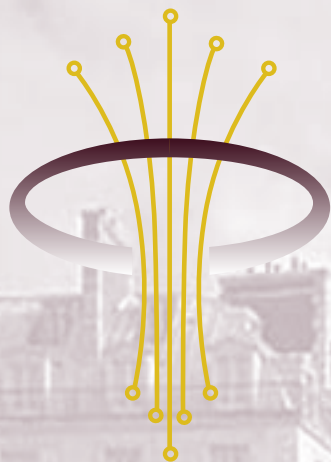
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