

Home	About	Internships	Projects	Researchers	Publications	Loc
	Us					

Oracle Labs

#### Architect



Mario Wolczko

Mario Wolczko is an Architect in Oracle Labs. His research interests include language implementation with an emphasis on virtual machines, computer architecture and memory systems design, garbage collection, object oriented programming languages and performance instrumentation.



**Conference Publication** 

#### **Clonefiles**

Mario Wolczko

Slides

### Are many heaps better than one?

Mario Wolczko

Read more

#### Non-Volatile Memory and Java: Part 3

Mario Wolczko

**Conference Publication** 

#### Non-volatile memory and Java, part 2: the view from <u>software</u>

Mario Wolczko

**Conference Publication** 

#### Non-volatile memory and Java: 1. Introducing NVM

Mario Wolczko

In Proceedings

One VM to rule them all Thomas Wuerthinger, Christian Wimmer, Andreas Woess, Lukas Stadler, Gilles Duboscq, Christian Humer, Gregor Richards, Douglas Simon, Mario Wolczko

In Proceedings

#### An object-aware memory architecture.

Greg Wright, Matthew L. Seidl, Mario Wolczko

Read more

Read more

Read more

Read more

#### In Proceedings

#### Writing Solaris device drivers in Java.

Hiroshi Yamauchi, Mario Wolczko

**Technical Report** 

### Introspection of a Java Virtual Machine under Simulation

Greg Wright, Mario Wolczko, Phil McGachey, Erika Gunadi

**Technical Report** 

#### Writing Solaris Device Drivers in Java

Hiroshi Yamauchi, Mario Wolczko

**Technical Report** 

#### **Object-aware memory architecture, An**

Greg Wright, Matthew L. Seidl, Mario Wolczko

In Proceedings

### Tracking object life cycle for leakage energy optimization.

Guangyu Chen, Narayanan Vijaykrishnan, Mahmut T. Kandemir, Mary Jane Irwin, Mario Wolczko Read more

Read more

Read more

Read more

#### In Proceedings

#### <u>Heap compression for memory-constrained Java</u> <u>environments.</u>

Guangyu Chen, Mahmut T. Kandemir, Narayanan Vijaykrishnan, Mary Jane Irwin, Bernd Mathiske, Mario Wolczko

In Proceedings

#### <u>Tuning Garbage Collection in an Embedded Java</u> <u>Environment.</u>

Guangyu Chen, R. Shetty, Mahmut T. Kandemir, Narayanan Vijaykrishnan, Mary Jane Irwin, Mario Wolczko

In Proceedings

#### <u>Tuning garbage collection for reducing memory system</u> <u>energy in an embedded java environment.</u>

Guangyu Chen, R. Shetty, Mahmut T. Kandemir, Narayanan Vijaykrishnan, Mary Jane Irwin, Mario Wolczko

In Proceedings

#### Adaptive Garbage Collection for Battery-Operated Environments.

Guangyu Chen, Mahmut T. Kandemir, Narayanan Vijaykrishnan, Mary Jane Irwin, Mario Wolczko Read more

Read more

Read more

# Automated and Portable Native Code Isolation. Re Grzegorz Czajkowski, Laurent Daynès, Mario Wolczko Technical Report Technical Report Re Automated and Portable Native Code Isolation Re

Mario Wolczko, Laurent Daynes, Grzegorz Czajkowski

In Proceedings

# From Kansas to Oz.

Randall B. Smith, Mario Wolczko, David M. Ungar

In Proceedings

### <u>**Compiling Java just in time.</u>** Timothy Cramer, Richard Friedman, Terrence Miller, David Seberger, Robert Wilson, Mario Wolczko</u>

In Proceedings

# Encapsulation, delegation and inheritance in object-oriented languages.

Mario Wolczko

Read more

Read more

Read more

Read more

#### Multi-level Garbage Collection in a High-Performance Persistent Object System.

Mario Wolczko, Ifor Williams

In Proceedings

#### An Object-Based Memory Architecture.

Ifor Williams, Mario Wolczko

In Proceedings

#### Writing Concurrent Object-Oriented Programs Using Smalltalk-80.

T. P. Hopkins, Mario Wolczko

In Proceedings

#### Semantics of object-oriented languages.

Mario Wolczko

In Proceedings

#### **Realisation of a Dynamically Grouped Object-Oriented** Virtual Memory Hierarchy.

Read more

Ifor Williams, Mario Wolczko, T. P. Hopkins

Read more

Read more

Read more

# Dynamic Grouping in an Object-Oriented Virtual Memory Hierarchy.

Ifor Williams, Mario Wolczko, Trevor Hopkins

#### **Resources For**

Partners

Developers Startups Students and Educators Oracle PartnerNetwork Find a partner Login to OPN Emerging Technology

Artificial Intelligence Internet of Things Blockchain

What's New

How we're taking on COVID-19 Try Oracle Cloud Free Tier

#### **Contact Us**

US Sales: +1.800.633.0738 How can we help? Subscribe to emails

© 2022 Site Privacy Do Cookie Ad Oracle Map Not Sell My Info Preferences CookieChoices Preferences