Call for Papers

15th International Conference on Managed Languages & Runtimes (ManLang'18)

Linz, Austria, September 10–14, 2018
http://ssw.jku.at/manlang18

Danube and Ars Electronica Center by Night

Bank of the Danube with Old Town and Linz Cathedral

The **15th International Conference on Managed Languages & Runtimes** (ManLang, formerly PPPJ) is a premier forum for presenting and discussing novel results in all aspects of managed programming languages and runtime systems, which serve as building blocks for some of the most important computing systems, ranging from small-scale (embedded and real-time systems) to large-scale (cloud-computing and big-data platforms) and anything in between (mobile, IoT, and wearable applications). Topics of interest include but are not limited to:

Languages and Compilers
- Managed languages (e.g., Java, Scala, JavaScript, Python, Ruby, C#, F#, Clojure, Groovy, Kotlin, R, Smalltalk, Racket, Rust, Go, etc.)
- Domain-specific languages
- Language design
- Compilers and interpreters
- Type systems and program logics
- Language interoperability
- Parallelism, distribution, and concurrency

Virtual Machines
- Managed runtime systems (e.g., JVM, Dalvik VM, Android Runtime (ART), LLVM, .NET CLR, RPython, etc.)
- VM design and optimization

Virtual Machines (cont.)
- VMs for mobile and embedded devices
- VMs for real-time applications
- Memory management
- Hardware/software co-design

Techniques, Tools, and Applications
- Static and dynamic program analysis
- Testing and debugging
- Refactoring
- Program understanding
- Program synthesis
- Security and privacy
- Performance analysis and monitoring
- Compiler and program verification

Program Chair
Eli Tilevich
Virginia Tech, USA

Conference Chair
Hanspeter Mössenböck
Johannes Kepler University Linz, Austria

Location
Linz, the capital of Upper Austria, is both a city of culture and of industry. Located at the Danube it features a historic downtown and a modern university campus just north of the Danube, where the conference will take place.

JKU Linz Computer Science Building (Conference Location)

Submission and Proceedings
Submissions to the conference will be evaluated on the basis of originality, relevance, technical soundness and presentation quality. Papers should be written in English and not exceed *12 pages in ACM format for full papers* (*6 pages for WiP, industry, and tool papers*). You can also submit *posters*, which *can be accompanied by a one-page abstract*, and are *due on August 6, 2018*. The conference proceedings will be published as part of the ACM International Conference Proceedings Series and will be disseminated through the ACM Digital Library.

The **5th Virtual Machine Meetup (VMM)** is collocated with ManLang'18. It is a venue for discussing latest research and developments in the area of managed language execution.

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ManLang'18 Important Dates

Submission: May 4, 2018 (Abstracts: April 27)

Camera-ready version due: August 3, 2018

Notification: July 6, 2018

Conference: September 10–14, 2018