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
- 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

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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.

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.

ManLang’18 Important Dates
Submission: May 4, 2018 (Abstracts: April 27)
Notification: July 6, 2018
Camera-ready version due: August 3, 2018
Conference: September 10–14, 2018