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## Is Polyglot Programming Really a Thing? (Invited Talk)

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# Is Polyglot Programming Really a Thing? (Invited Talk)

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## Abstract

Polyglot programming is the practice of writing an application with multiple languages to capture additional functionality and efficiency not available to a single language. This happens more often than people think. Some reasons are: to support different platforms (e.g., Android, iOS), to be more efficient on some parts, to take advantage of features unique to a different ecosystem (e.g., dedicated APIs). But are we ready for polyglot programming? This talk will try to explore the open issues from the point of view of both the multiple programming language integration and from the software engineering development for polyglot programming.

**Keywords:** polyglot programming

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## Biography

Walter Cazzola is a Full Professor in the Computer Science Department of the Università degli Studi di Milano, Italy and the Chair of the ADAPT laboratory. Dr. Cazzola designed the mChARM framework, @Java, [a]C#, Blueprint programming languages and he is currently involved in the designing and development of the Neverlang language workbench. He also designed the JavAdaptor dynamic software updating framework and its front-end FiGA. He is one of the founder of the language product-line research topic and he developed AiDE to support the development of language product lines. He has written over 100 scientific papers. His research interests include (but are not limited to) software maintenance, evolution and comprehension, programming methodologies and languages. He served on the program committees or editorial boards of the most important conferences and journals about his research topics. Since 2019, he is associate editor for the Journal of Computer Languages published by Elsevier. More information about Dr. Cazzola and all his publications are available at <https://cazzola.di.unimi.it> and he can be contacted at [cazzola@di.unimi.it](mailto:cazzola@di.unimi.it) for any question.

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