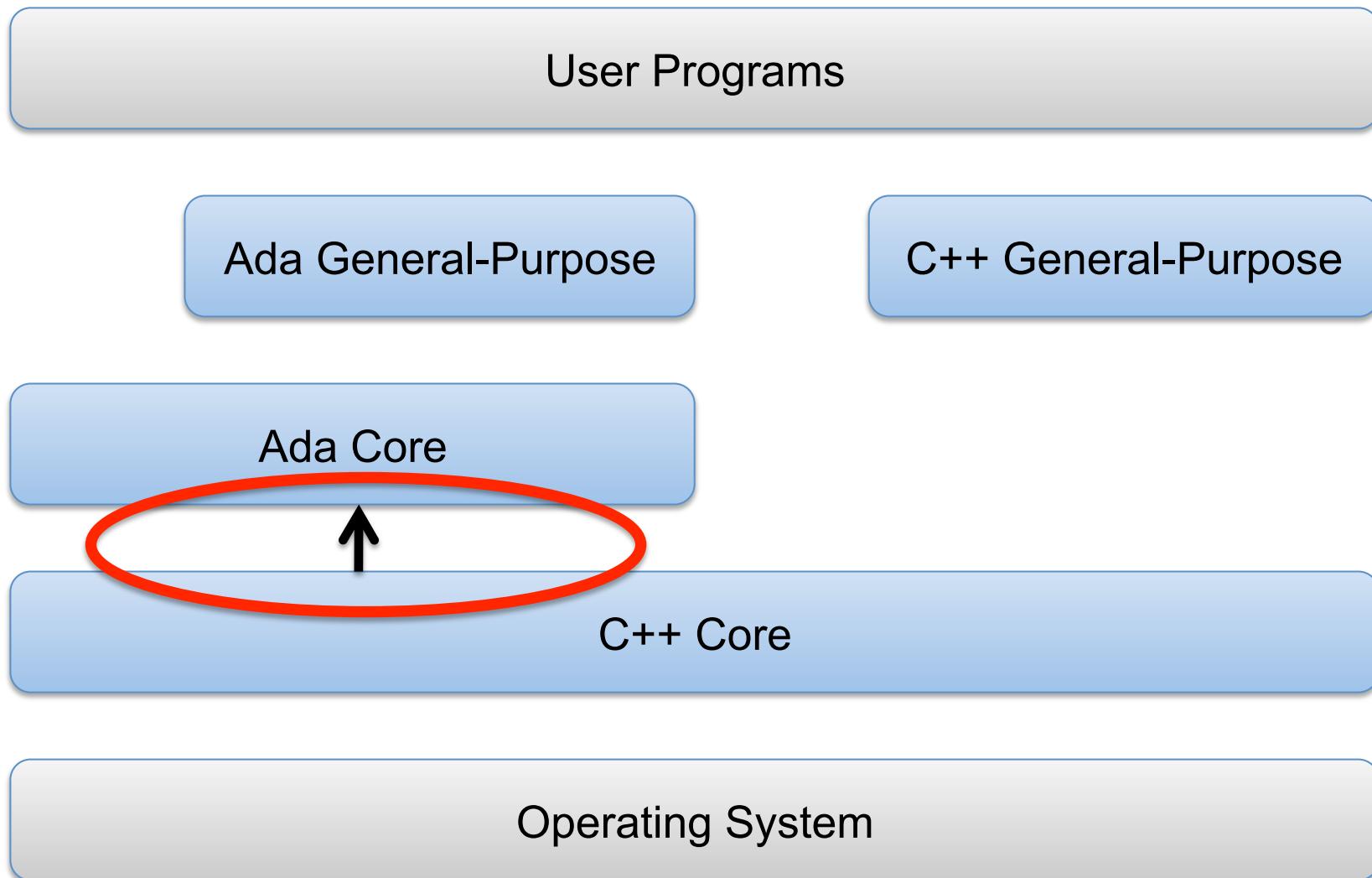


# *Implementing Polymorphic Callbacks for Ada/C++ Bindings*

Maciej Sobczak



# YAMI4 – Multilanguage Asynchronous Messaging Library



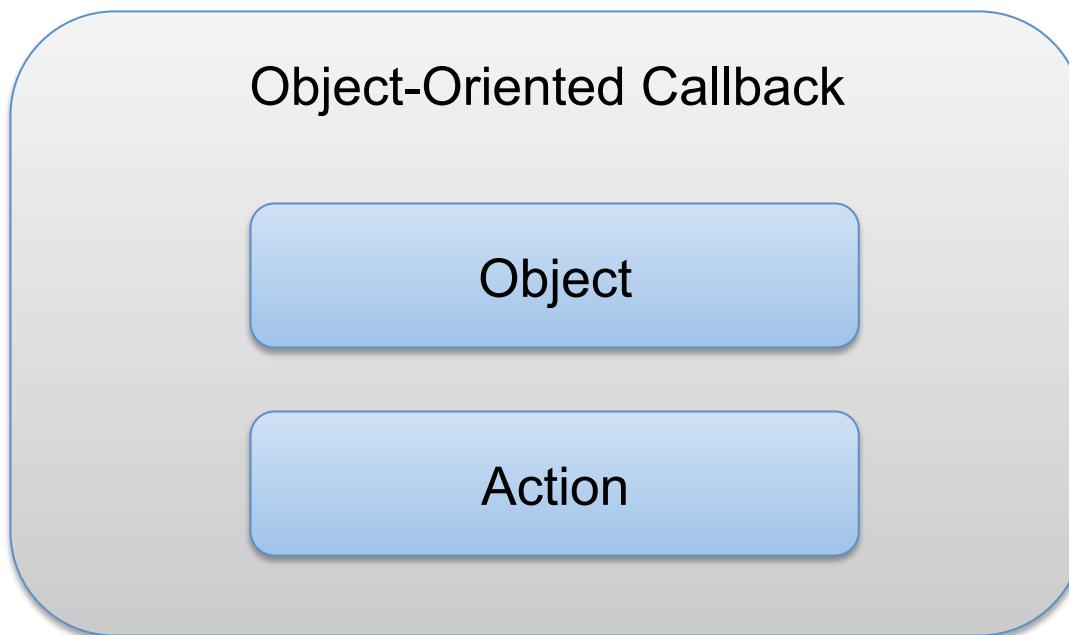
# But this is a common problem!



# **One-page problem**



# Callbacks anatomy



# Solution

Ada user code

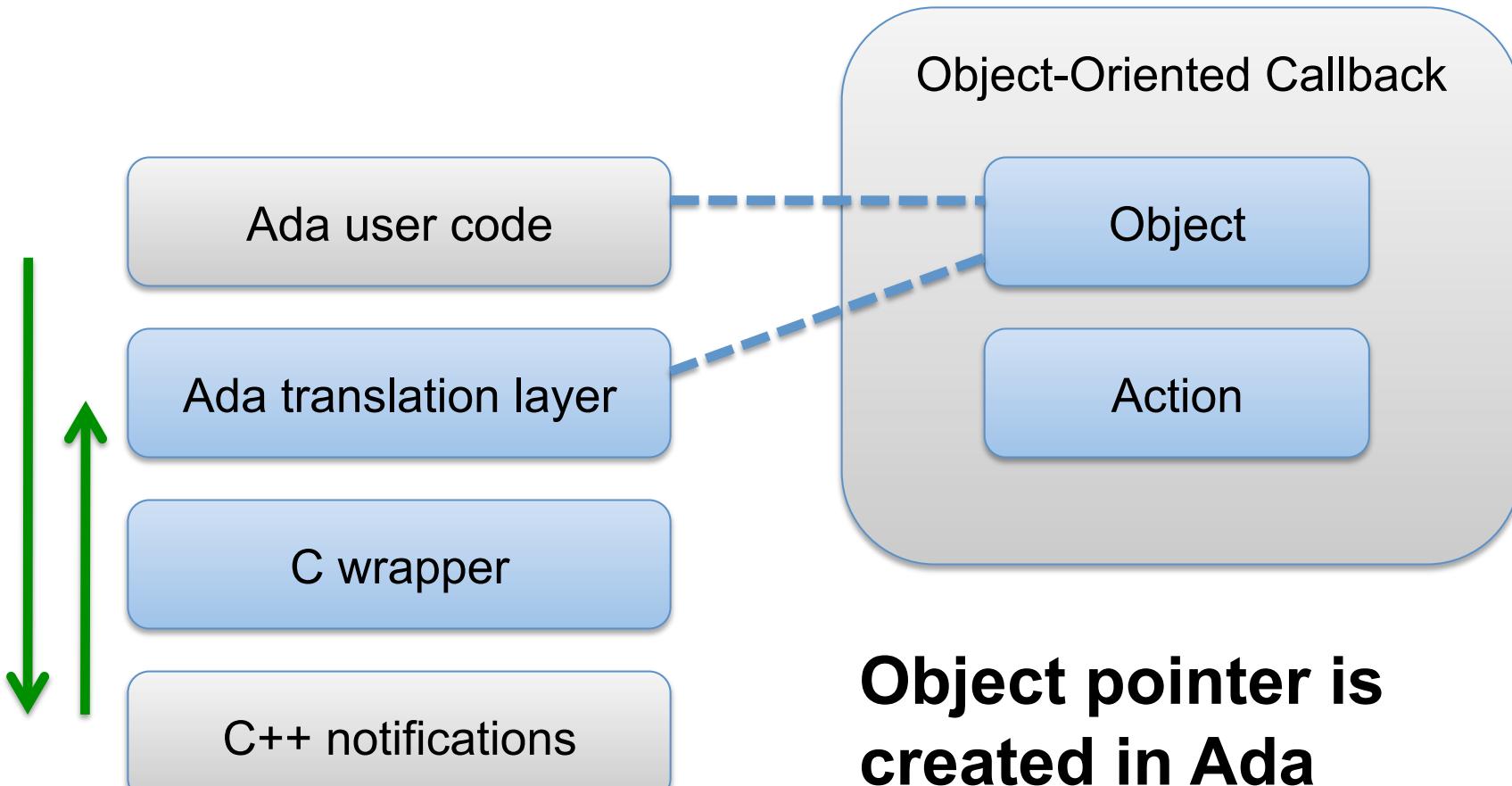
Ada translation layer

C wrapper

C++ notifications

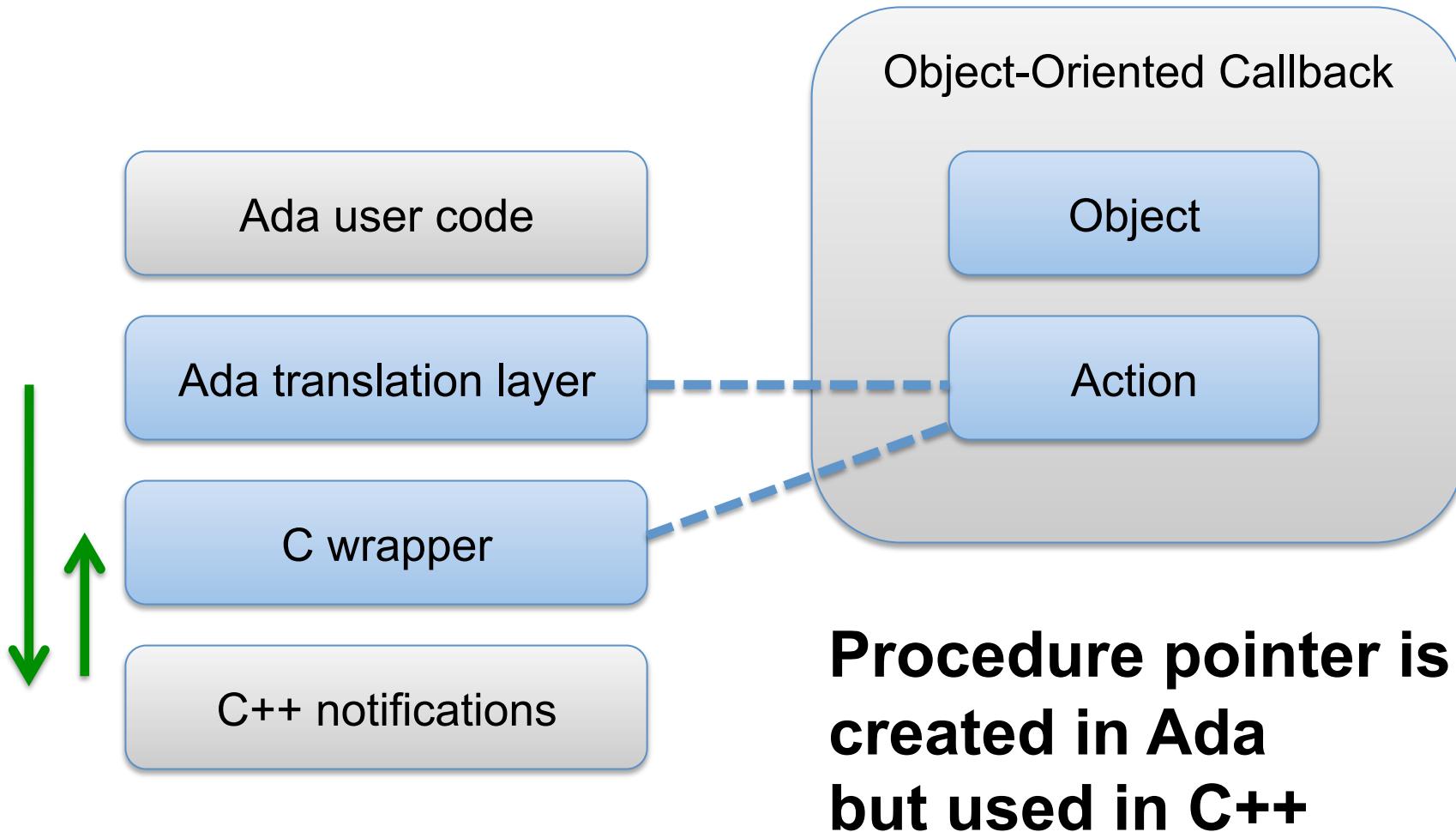


# Problem

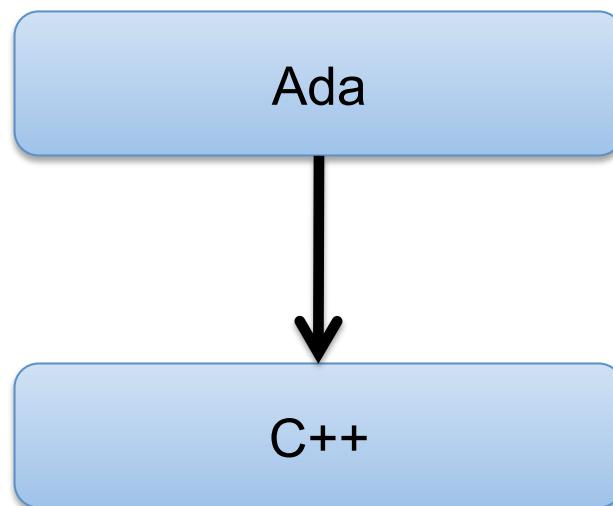


**Object pointer is  
created in Ada  
and used in Ada**

# Problem



# Dependencies



**TIME FOR ANSWERS**