



# IWOCL

INTERNATIONAL WORKSHOP ON OPENCL

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# IWOCL history



# IWOCL 2016

- ~80 delegates (40 at IWOCL 2013!)
- Attendees from 16 different countries
- 47 different companies represented
- 29 submissions, 20 accepted
- 3 workshops proposed, 2 accepted



## Conference Sponsors

We would like to thank the following companies who have done so much to help make IWOCCL 2016 a success and we look forward to 2017!

# Today's Agenda

- 2pm, opening keynote: ***OpenCL – a state of the union***, Neil Trevett, Khronos/Nvidia
- 2.30pm, Envisioning the Future – Using SYCL to Develop Vision Tools, Luke Iwanski and Mehdi Goli, Codeplay
- 3pm, ***hiCL: An OpenCL Abstraction Layer for Scientific Computing, Application to Depth Imaging on GPU and APU***  
Issam Said (Lip6), Pierre Fortin, Jean-Luc Lamotte (Université Pierre et Marie Curie) and Henri Calandra (Total EP)

# Today's Agenda

- 3.30pm, ***The Hitchhiker's Guide to Cross-Platform OpenCL Application Development***, Tyler Sorensen and Alastair Donaldson (Imperial College London)
- 4pm, ***PANEL DISCUSSION: What Next for OpenCL?***, Khronos OpenCL WG

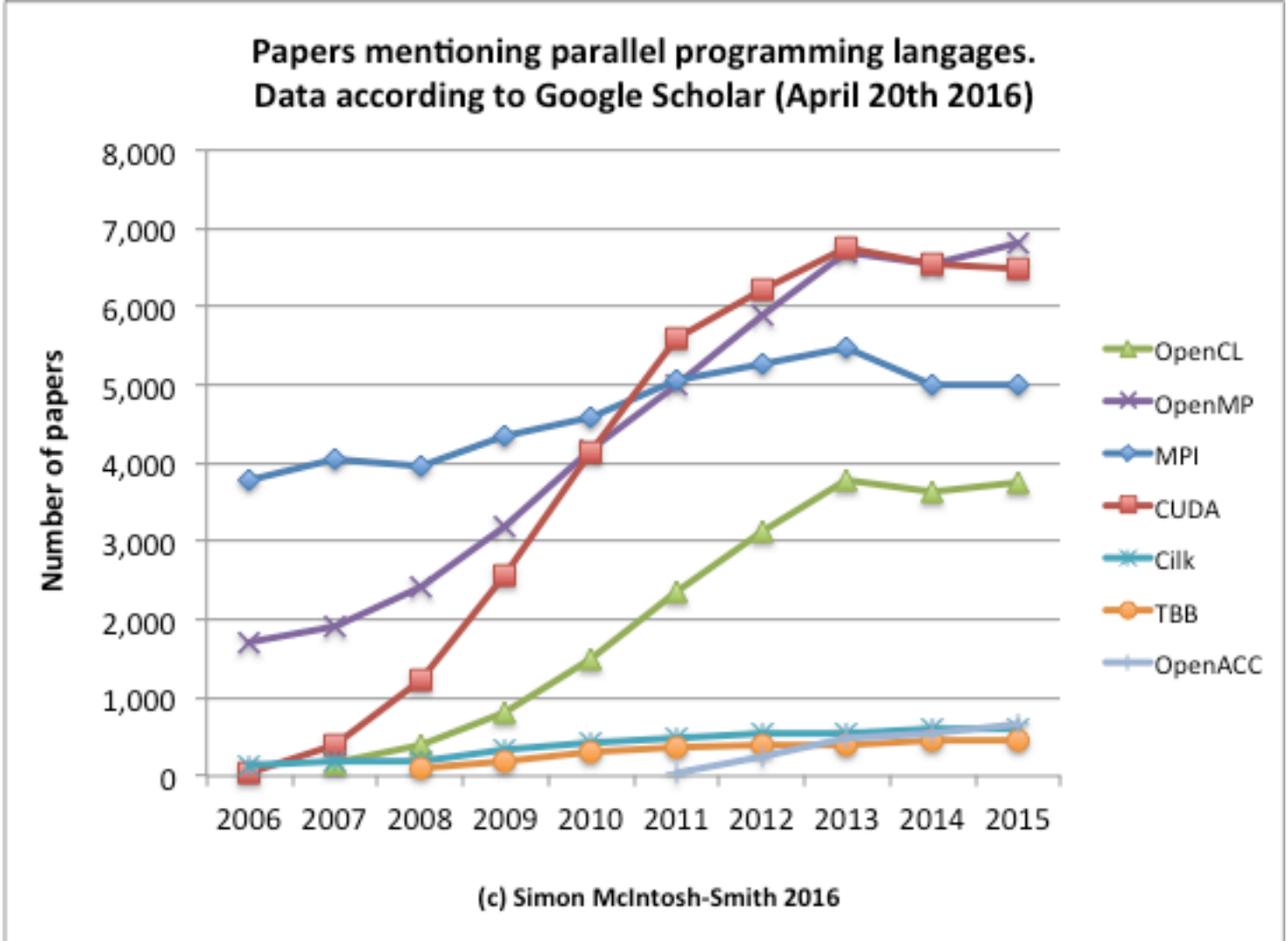
- ***PANEL DISCUSSION:  
What Next for OpenCL?***
- Khronos OpenCL WG

# OpenCL momentum

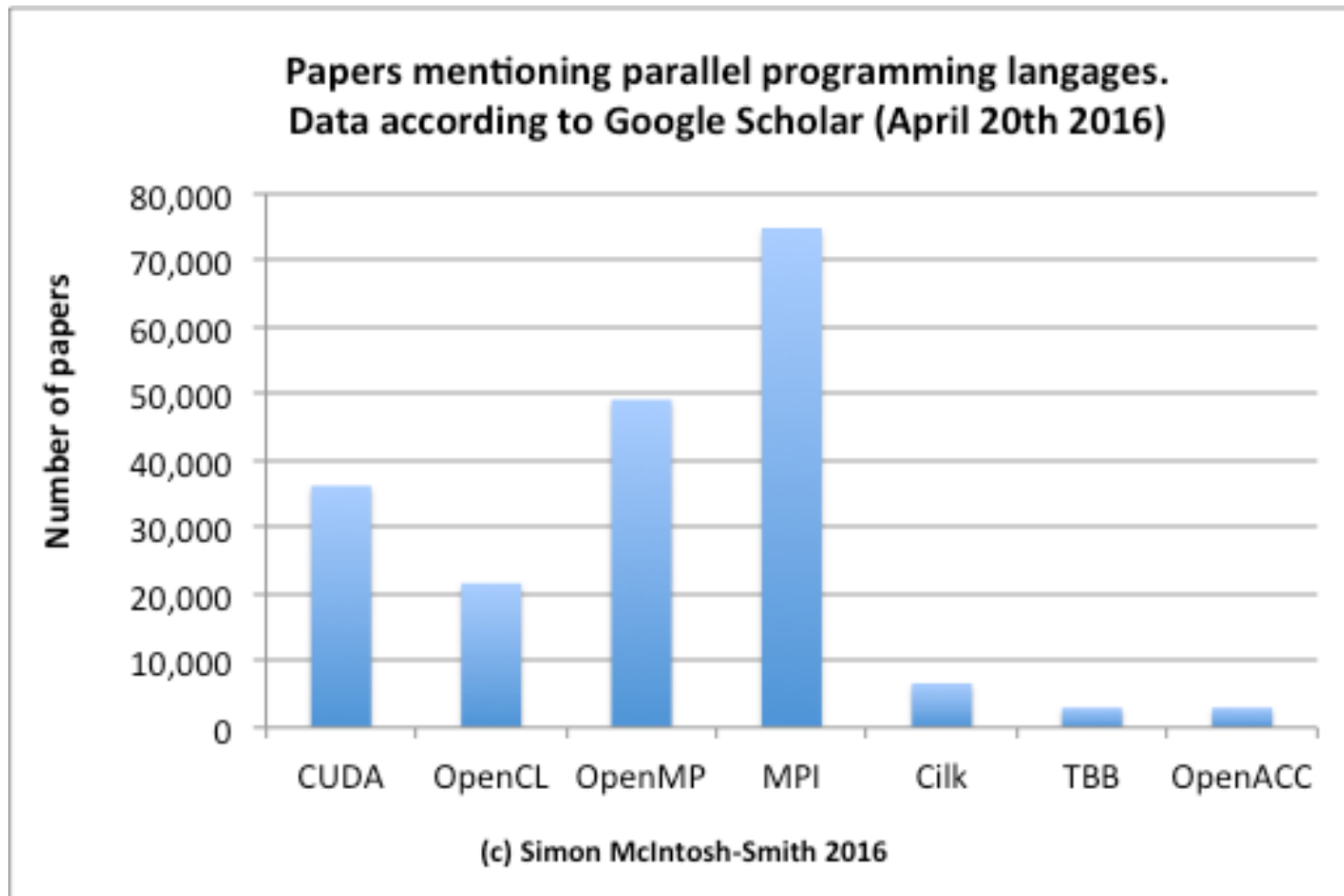
- More OpenCL implementations released:
  - 2.x implementations from Intel, AMD
  - **OpenCL 2.2** provisional with **C++ kernel language**
- New versions **SPIR-V** released
- New versions of the high-level, single-source programming model, **SYCL**, released
- More tutorials online (e.g. HandsOnOpenCL)
- More tools appearing (**Oclgrind**, profilers, debuggers, ...)



# 🔥 Adoption of parallel programming langages.



# 🔥 Adoption of parallel programming langs.



# Conference dinner



# 🔥 Conference dinner



**Schnirchgasse 12  
1030 Wien**

# Final words

- Use social media to promote IWOCL
  - Twitter hashtag: #IWOCL
  - Follow: @IWOCL
- The IWOCL Twitter feed will retweet your posts
- Sign up for regular OpenCL newsletter:
  - <http://www.iwocl.org/opencl-newsletter/>



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