SWAT

Understanding Software

Event Pitch

vadim@grammarware.net

Hackers & Founders

Vadim Zaytsev, SWAT, CWI

CC BY NC SA 2012

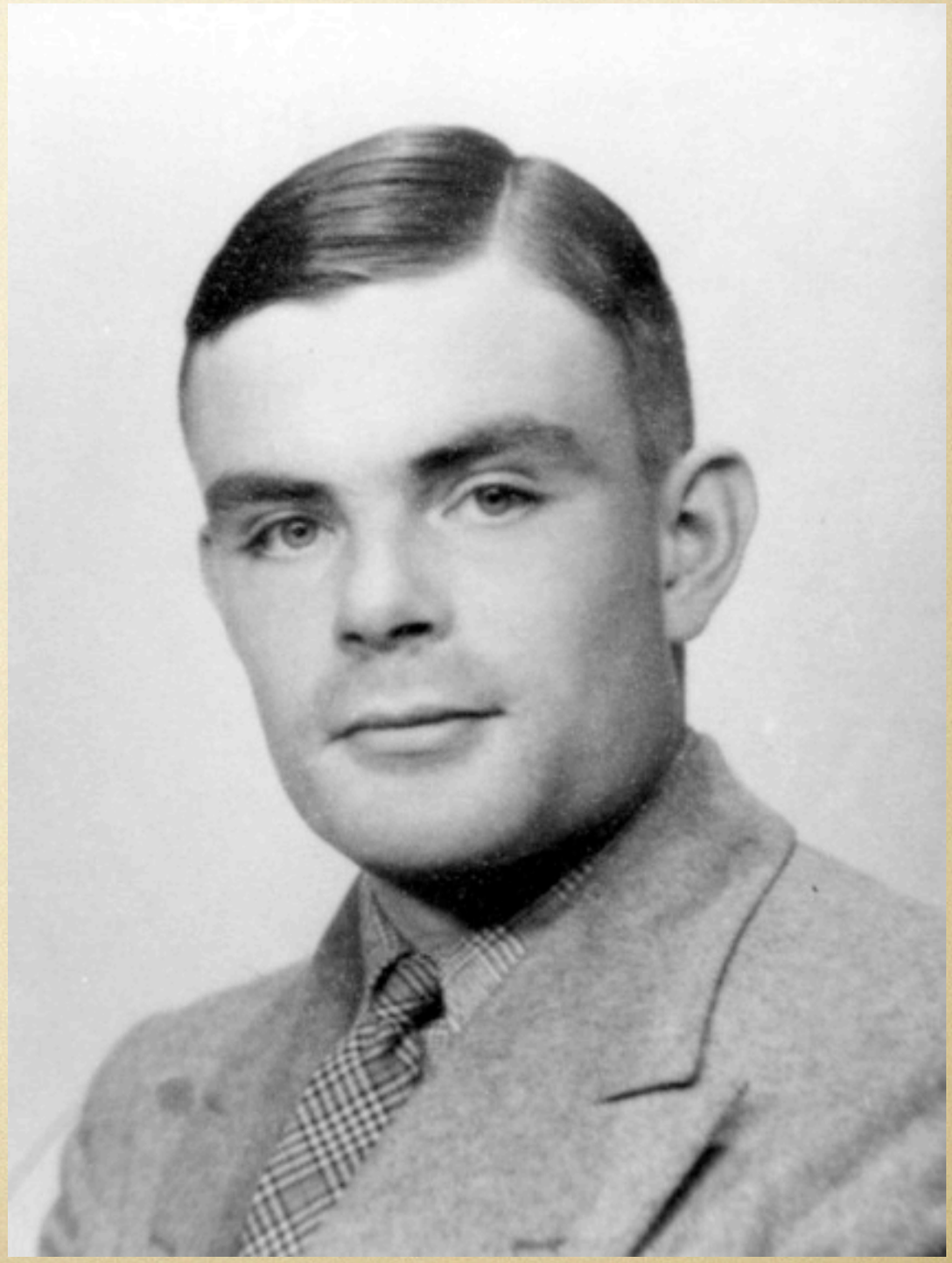
CWI

- Centrum Wiskunde & Informatica
  = Centre of Mathematics and Computer Science
- First Dutch computers: ARRA, FERTA, ARMAC, X1, X8 (Gerrit Blaauw)
- Structural programming (Edsger Wybe Dijkstra)
- First place outside USA to have internet & website (Piet Beertema)
- Cracking RSA-140 and RSA-155 (Herman te Riele)
- CVS — the git of the 1980s & 1990s (Dick Grune)
- Hack — origins of NetHack (Andries Brouwer)
- Python (Guido van Rossum)
- XHTML (Steven Pemberton)
- SWAT: Software Analysis and Transformation

Alan Turing

CWI

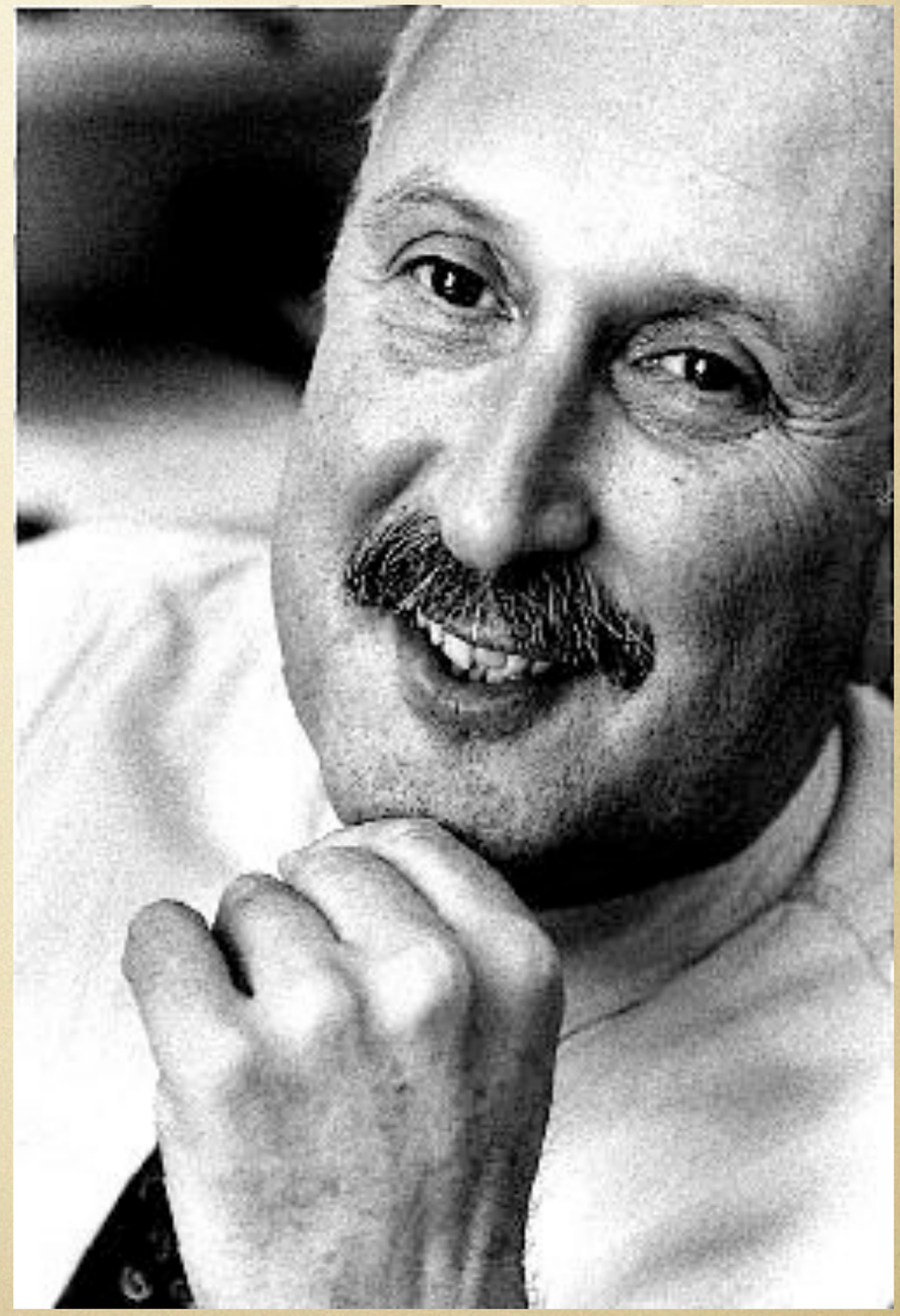
- Alan Turing (1912–1954)
- Programming pioneer
- Defined “algorithm”
- Defined “computability”
- Defined “intelligent”
- Cracked Enigma with Bombe
- …
- RTFM



Paul Klint

CWI

- Paul Klint (1948–...)
- Professor since 1985
- One of most cited CS authors
- Co-founder of SIG
- Programming languages
- Compilers & parsers
- Programming environments
- Software renovation
- Open source development
- Intellectual property rights



Software

CWI

- Analysis, querying, comprehension?
- Refactoring, maintenance, adaptation?
- Testing, benchmarking?
- Re-engineering, reverse engineering?
- Migration, renovation?
- Platforms, frameworks, technologies?

CWI

CWI Lectures on Understanding Software

June 14

June 14

To summarise

- Alan Turing museum
  - Enigma
  - LEGO Turing machine
- Lectures & posters
  - Understanding software
- Free (gratis)
- Lunch & reception
- **REGISTER**

http://commons.wikimedia.org/wiki/File:Torii_kiyoshige_bando_hikosaburo_ii.jpg

Hack on!

vadim@grammarware.net