



**The NATO Software Engineering Conferences**  
[homepages.cs.ncl.ac.uk/brian.randell/NATO/](http://homepages.cs.ncl.ac.uk/brian.randell/NATO/)

7-11 Oct 1968, Garmisch, Germany  
 27-31 Oct 1969, Rome, Italy

Download Proceedings, which have transcripts of discussions. See photographs.

**Software crisis:**

Academic and industrial people. Admitted for first time that they did not know how to develop software efficiently and effectively.



Software Engineering, 1968

Next 10-15 years: intense period of research of software engineering, language design, proving programs correct, etc.



Software Engineering, 1968



1968 1968

Peter Naur Brian Randell

~2000 2000?

Editors of the 1968 Proceedings



**Beards**

The reason why some people grow aggressive tufts of facial hair is that they do not like to show the chin that isn't there.

**Piet Hein**



Edsger W. Dijkstra Niklaus Wirth Tony Hoare

Sir Tony Hoare, Fritz Bauer  
 Quicksort author My advisor

Pioneer in computing in the 50's, 60's. Developer of the historical computing section of the Deutsches Museum



Marienplatz, Munich



Oct 2007, 40<sup>th</sup> anniversary of CS Dept in the Technical University Munich. Hoare and I gave invited lectures.