



Compiling SIMULA

As summarized by:
Miranda Masters and Luke Beeman



Founding the of the NCC



Ole-Johan Dahl and Kristen Nygaard



Dahl and Nygaard at the time of Simula's development

Monte Carlo

- Randomly take a path
- Evaluate the result
- Select a different path
- Repeat until each option has a weight
- Select the option with the least knowledge
- Repeat for the next step



Original SIMULA Concept



simula



SIMULA I

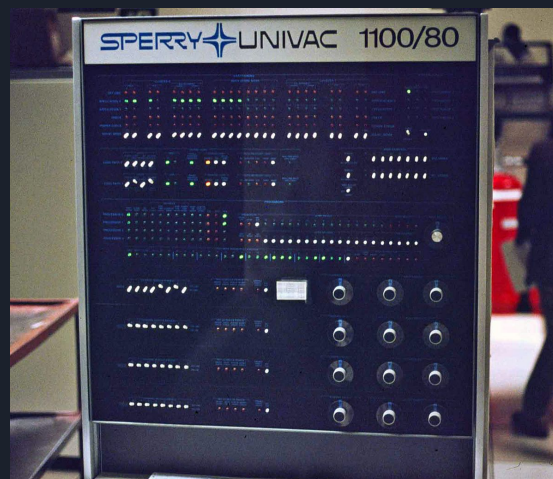
- ALGOL compiler extension
- ALGOL's structure incompatible with SIMULA's
- Designed new storage allocation scheme: 2D free area list
- Abandoned the original network concept for a process concept

SIMULA 67

- SIMULA as general-purpose language
- Inspired by Tony Hoare's concept of record class constructs
- Introduced prefixing: process/object with prefix and main layers
- Introduced class concept with subclasses
- Conference to define Common Base Standard for SIMULA implementations held around this time

Other Implementations

- UNIVAC 1100 SIMULA
- IBM 360/370 SIMULA
- Control Data SIMULA
- DEC System-10 SIMULA





Financial Controversy



Outside Sources

NCC logo: <https://www.expology.com/visitorengagement>
NCC Building: https://en.wikipedia.org/wiki/Norwegian_Computing_Center
Dalh and Nygaard: http://www.iot.fm/issues/issue_2002_09/eulogy/
Simula logo: <https://en.wikipedia.org/wiki/Simula>