

University
of Glasgow

Proud AComIn Partners

A. Asenov

CEO, Gold Standard Simulations, Ltd.

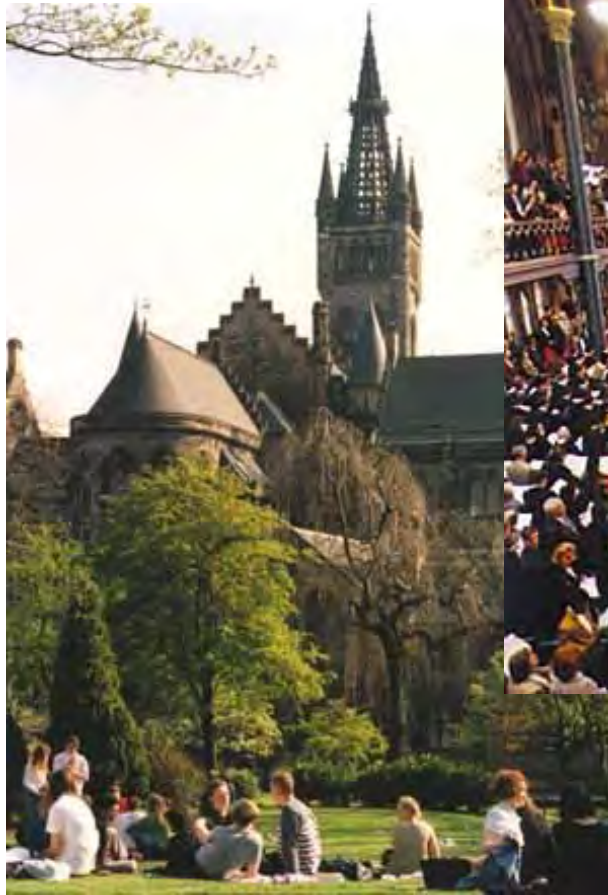
www.goldstandardsimulations.com

James Watt Professor, The University of Glasgow

<http://web.eng.gla.ac.uk/groups/devmod/>

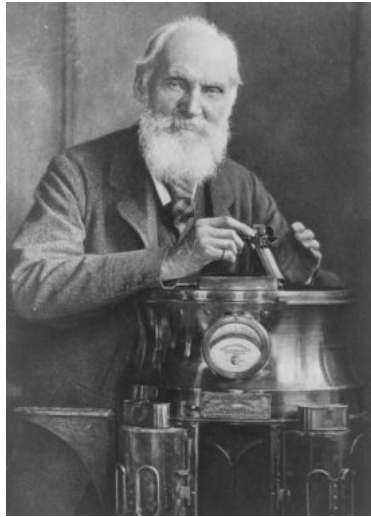


The University of Glasgow

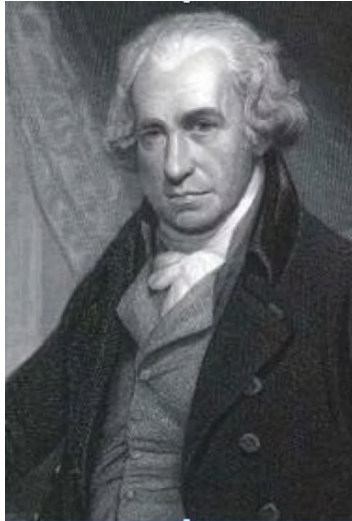


18 000 students, 2500 professors
Member of the Russel Group

Famous Glasgow University Scholars



Lord Kelvin



James Watt



William Rankine



Adam Smith



The Device Modelling Group

Staff 29 members

2 academics (A. Asenov, S. Roy)

1 Research technologist

1 Advanced EPSRC Research Fellow

13 Research Assistants

12 PhD students

9 long term visiting researchers since 2005

Funding £7.6M

£2.1M eScience Pilot Project

£1.2M new Platform Grant, **£2.4M** FP7, ENIAC

Equipment

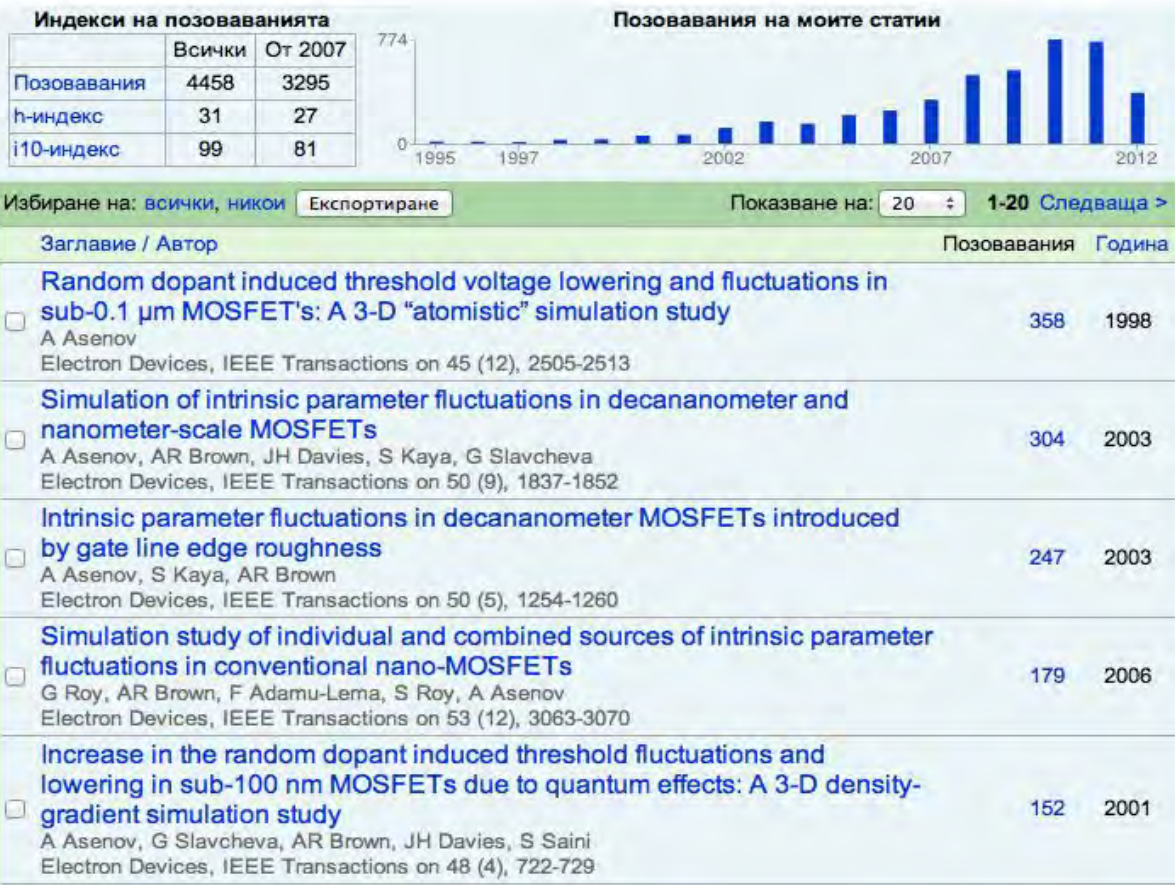
2556 processors cluster

The Device Modelling Group



a asenov

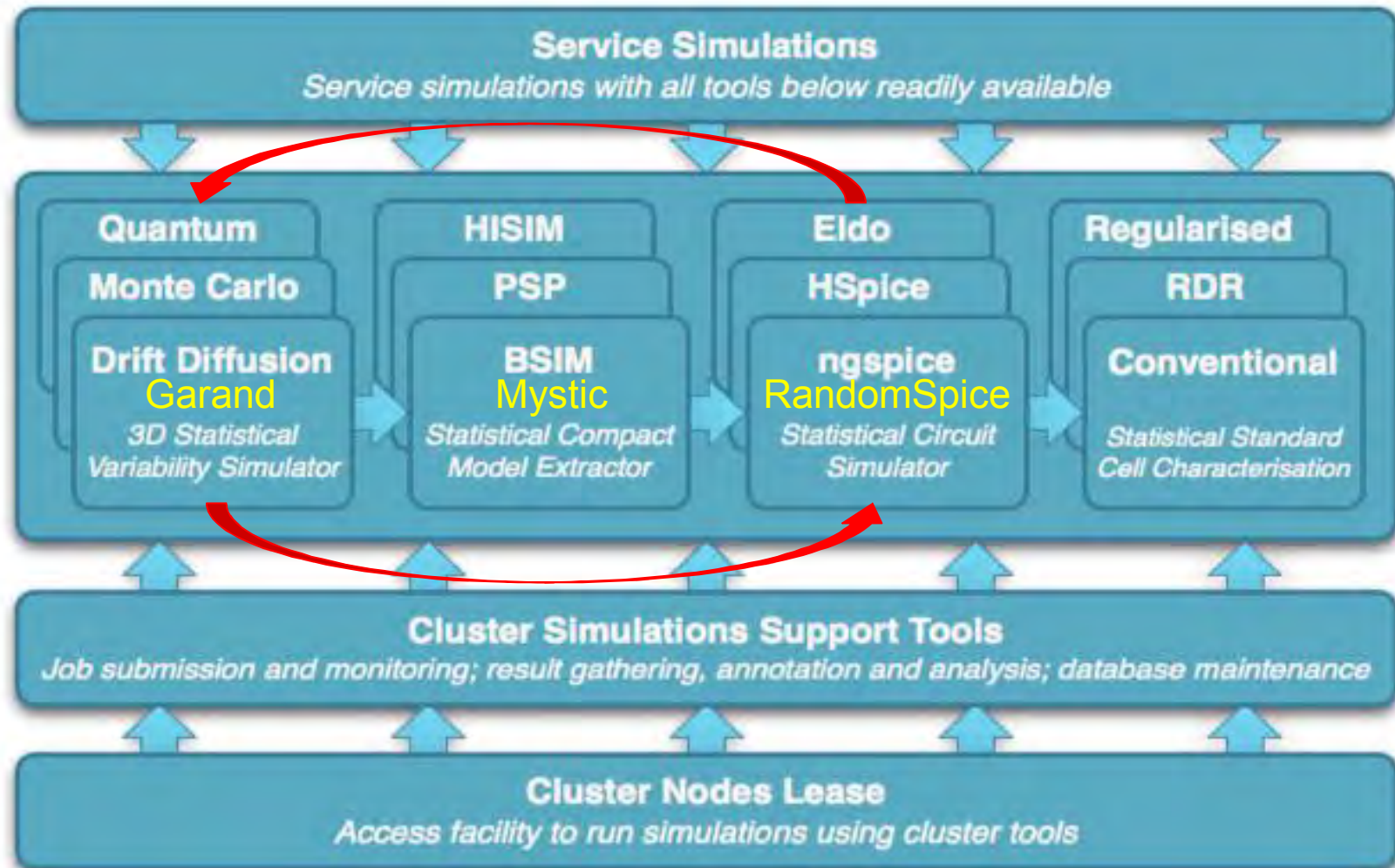
CEO GSS, Ltd., Professor, The University of Glasgow
 Advanced CMOS modelling and simulation
 Потвърден имейл адрес: glasgow.ac.uk



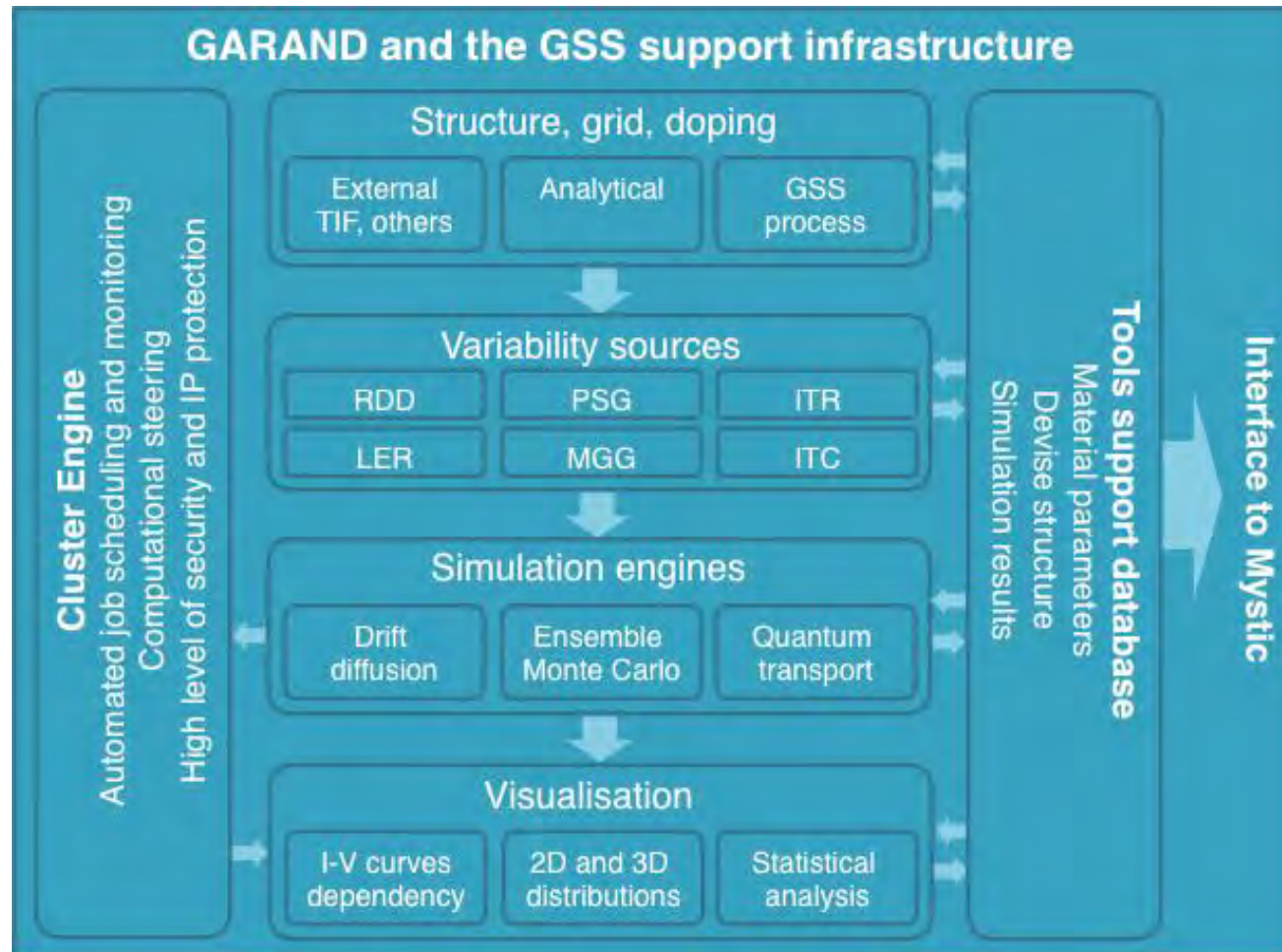
GSS Corporate

- ❑ GSS is a private self funded company owned by the founders and key staff, established in Scotland, UK in June 2010.
- ❑ GSS technology is based on 150 man years of research and development in the 30 strong Glasgow Device Modelling Group and more than £20M EPSRC/EC funding.
- ❑ GSS currently has 8 key employees with a planned growth of 150% in the next year.
- ❑ GSS current sales forecast and reserves guarantees the companies position through to 2015.

Unique simulation tool chain: Delivers rapid and automated Transistor- SRAM co-optimisation (2-3 weeks cycle)



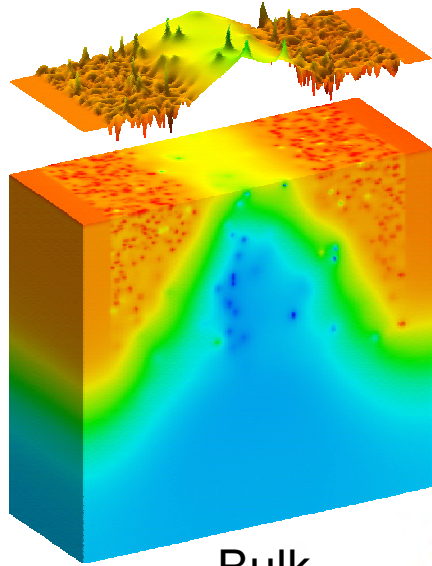
The statistical device simulator GARAND



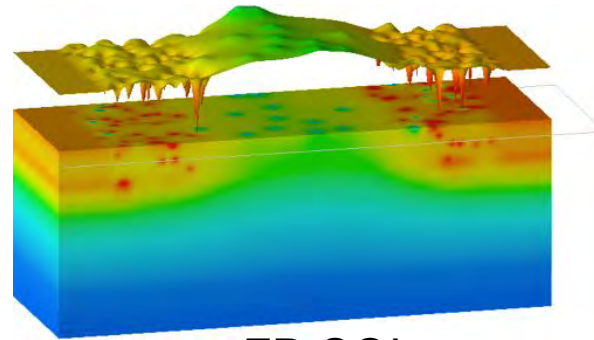
Beyond state-of-the art devices simulator

All sources of variability. Best available models.

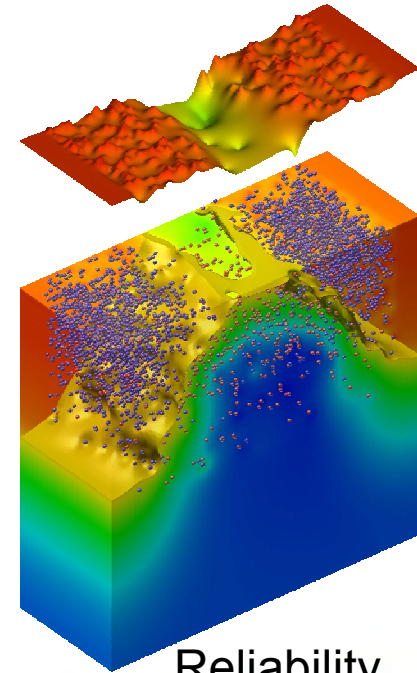
Templates are available for all devices of interest



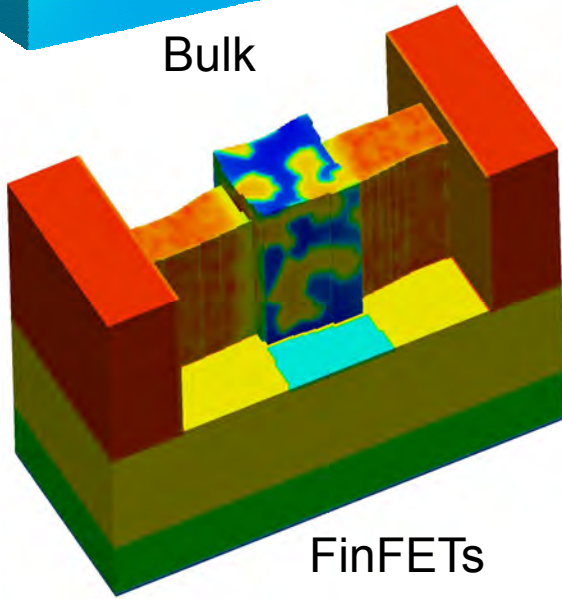
Bulk



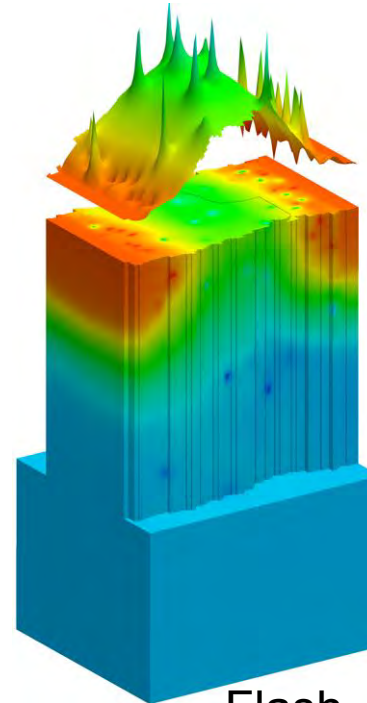
FD SOI



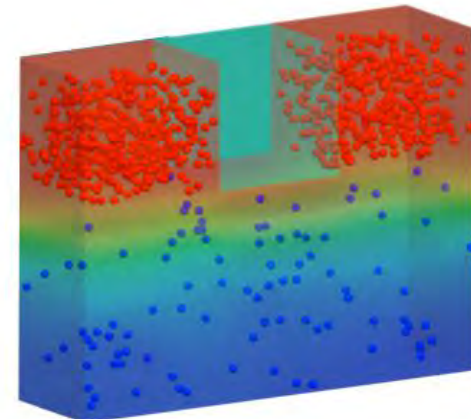
Reliability



FinFETs

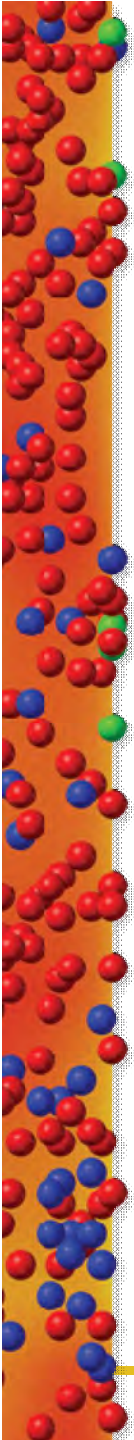


Flash

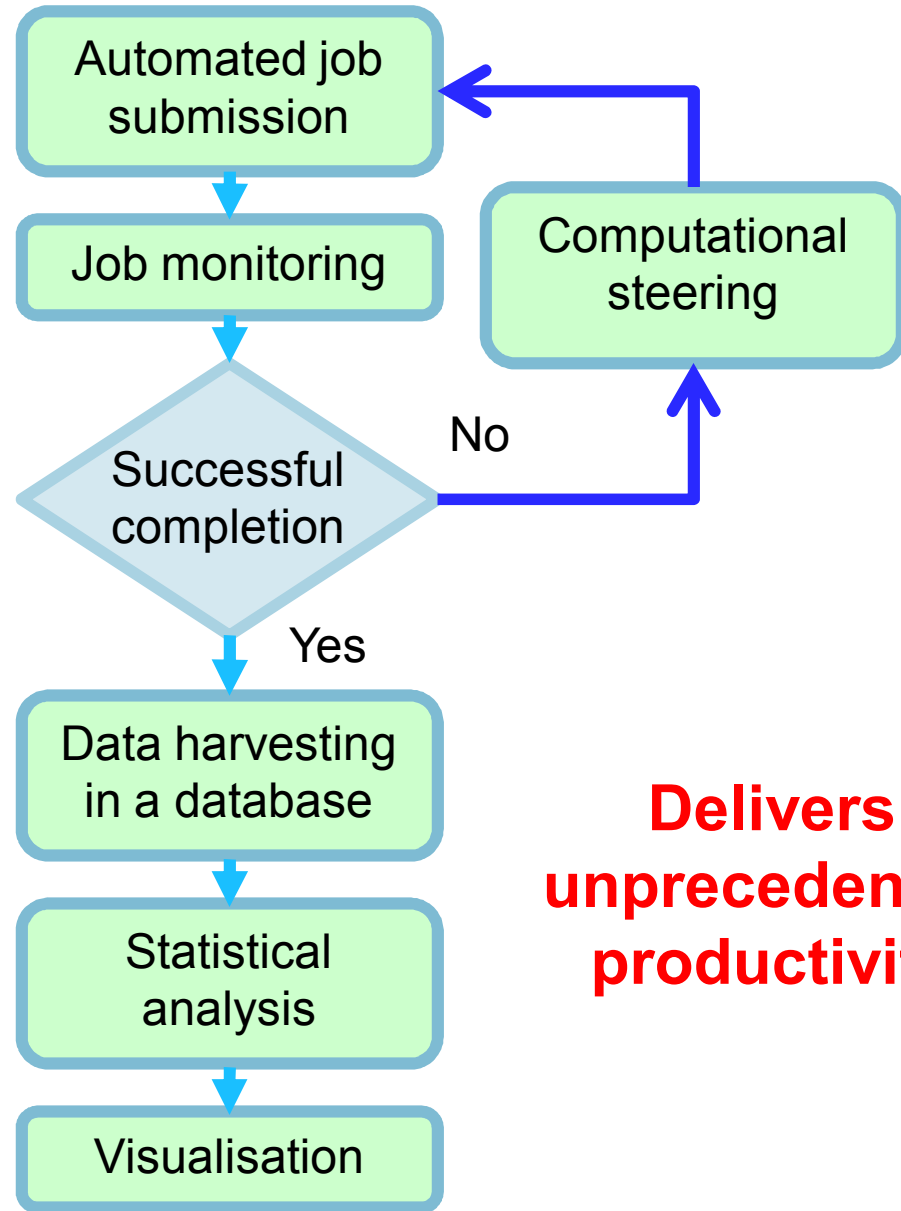


III-V/Ge MOSFETs

Grid/cluster based simulation technology



2556 CPUs



**Delivers
unprecedented
productivity**