

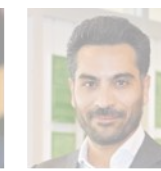
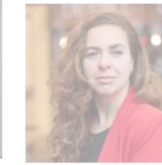
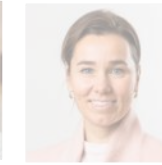


Netherlands Academy of Engineering
...is the national platform for reflection,
interpretation and analysis of the relevance
of engineering in complex societal and
economic challenges

...increases understanding of technology in
society and with governments / policy
makers

...adds to the quality of strategic decision
making around societal transitions in which
engineering plays an important role

...increases technical capacity for societal
challenges by fully locking in on increasing
the share of engineers in society



12 FELLOWS

ONE NATIONAL

SEMICONDUCTOR FORCE

Frontier science. Industrial scale. Independent engineering judgement.

7 INDUSTRY LEADERS 5 ACADEMIC LEADERS 3 TECHNICAL UNIVERSITIES

EXPERTISE ACROSS THE SEMICONDUCTOR VALUE CHAIN

01 FRONTIER SCIENCE & DEVICES

- **Hans Hilgenkamp**
Scientific Director, MESA+ / UT
- **Jessie Qin-Dregely**
COO, Single Quantum
- **Jaap den Toonder**
Professor, TU/e

02 CHIP DESIGN & AI COMPUTE

- **Bram Nauta**
Distinguished Professor, UT
- **Said Hamdioui**
Chair Professor, TU Delft
- **Sumeet Kumar**
Co-founder & CEO, Innatera

03 MANUFACTURING EQUIPMENT

- **Arie den Boef**
Corporate Fellow, ASML
- **Hamed Sadeghian**
Co-founder & CEO, Nearfield
- **Jos Benschop**
Co-chair; EVP Technology, ASML

04 PHOTONICS PACKAGING & SCALE

- **Tim Tiek**
Co-founder & CEO, Brilliance
- **Guoqi Zhang**
Co-chair; Chair Professor, TU Delft
- **Henk van Houten**
Innovation Advisor; ex-CTO, Philips

CO-CHAIRS
Jos Benschop and Guoqi Zhang



CHOOSE EARLIER INVEST SMARTER EXECUTE FASTER

Independent, end-to-end
engineering advice for government,
industry and capital.

DESIGNED TO SERVE

GOVERNMENT

Strategy, policy, sovereign capability, national programmes

INDUSTRY

Roadmaps, consortia, standards, ecosystem scale-up

CAPITAL

Technical due diligence, portfolio priorities, risk

MANAGEMENT SUPPORT

Prof. Willem van Driel, TU Delft

12 FELLOWS ONE COORDINATED NATIONAL ADVANTAGE



PROPOSED AREAS OF CONTRIBUTION

01 NATIONAL STRATEGY & POLICY

Technology choices, industrial policy, public investment

02 INTERNATIONAL ROADMAPS

EU / global roadmaps, standards, associations, academies, governance

03 EU & DUTCH R&D PROGRAMMES

Mission portfolios, calls, consortia, evaluation

04 ECOSYSTEM BUILDING

Value-chain alignment, start-ups, scale-ups, global links

05 INDUSTRY-ACADEMIA DELIVERY

Shared facilities, pilots, qualification, commercialisation

06 MULTI-LEVEL TALENT PIPELINE

Vocational / HBO, MSc / PhD, professional education