

Digitalisation in Engineering

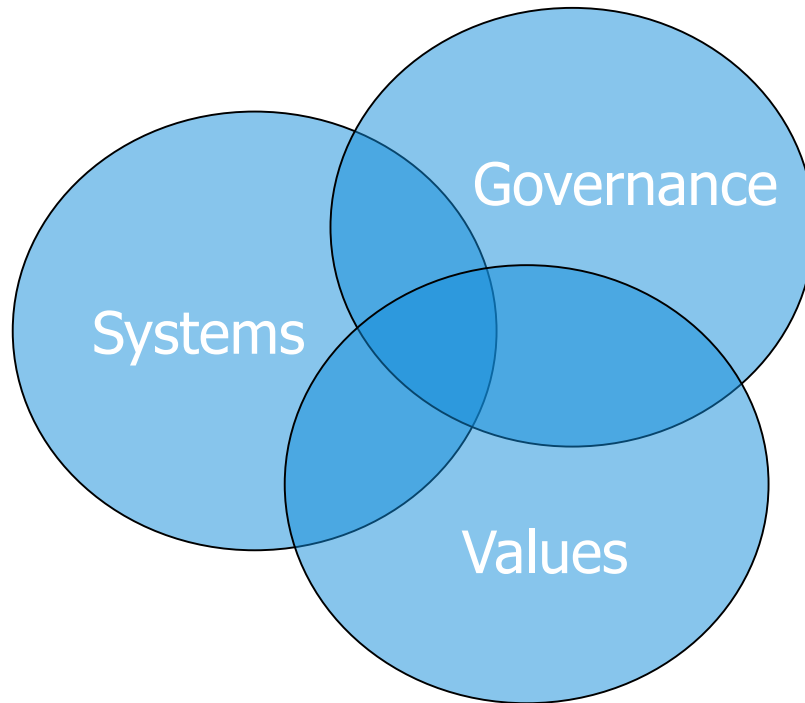
A glimpse into the TPM graduate school at TU Delft

22-6-2017



Technology Policy & Management

Developing robust models and designs in order to solve the complex challenges of today's networked, urbanized knowledge society by integrating engineering with social sciences



Digitalisation and Engineering

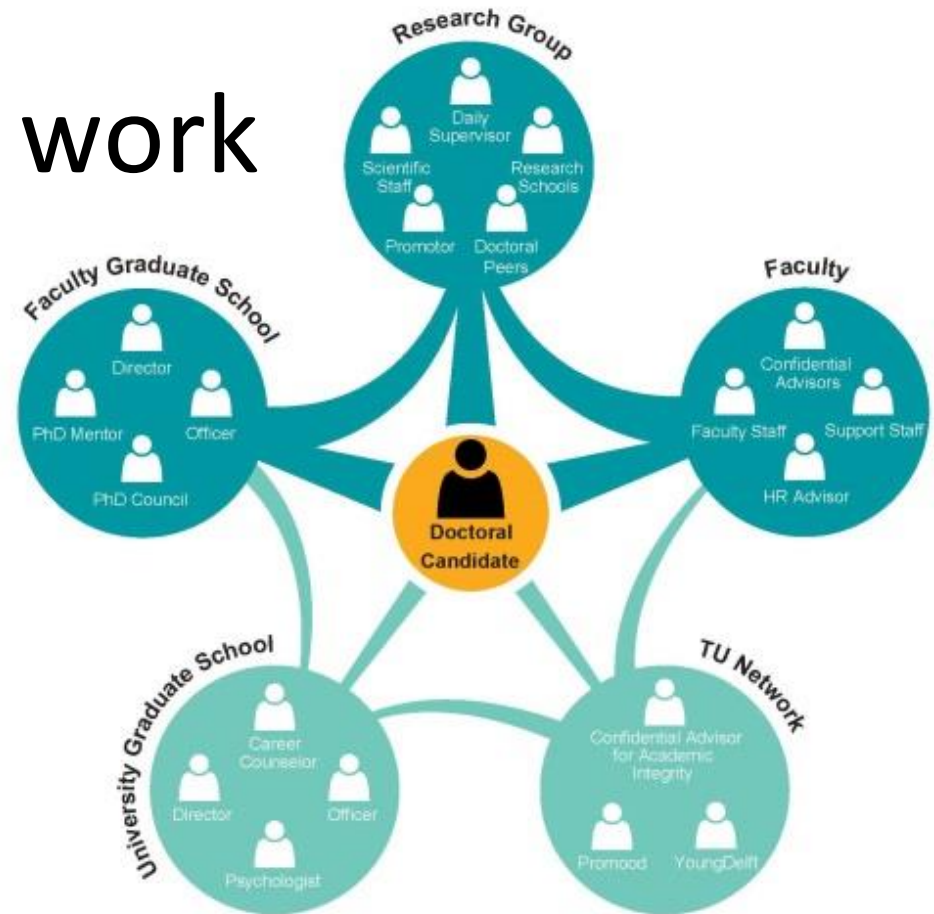
Advances are mind-boggling...

1. Governance of cyber security
2. Crisis response



Context of our work

PhD candidate in the driver's seat



TU Delft GS vs. TPM GS

- Started in 2012
- TUD GS sets overall rules and guidelines
- TPM GS **implements**, in accordance with specific TPM characteristics or circumstances (e.g. focus on multi-disciplinary, applied research)
- 220 PhD candidates in TPM

TPM GS Board



Michel van Eeten
Director



Leslie Zachariah
Executive Director

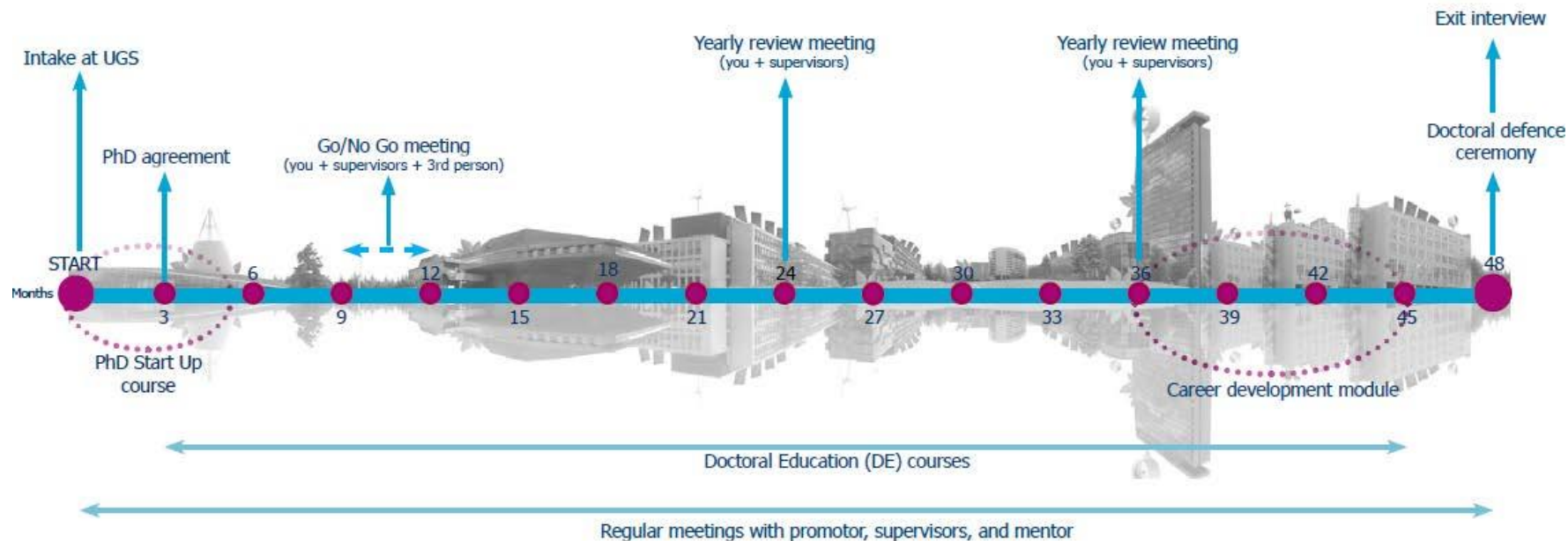


Janine Drevijn
GS Officer &
Coordinator

- Leon Hermans - Coordinator mentor system • contact MAS
- Geerten van de Kaa - Coordinator seminars • contact VTI
- Maarten Kroesen - Coordinator peer groups • contact ESS
- Graciela Nava Guerrero - Contact Person PhD Council
- Farzam Fanitabasi - Contact Person PhD Council
- Olivie Beek - Human Resources Advisor
- Sheila Ramdhani - Secretarial support • seminars organization

PhD Development Cycle

Graduate School Timeline



Mentorship system

- In addition to promotor and daily supervisor, every PhD candidate is **offered** a mentor upon enrolling:
 - Independent, process-related advice
 - 'Safety net' function



Peer groups

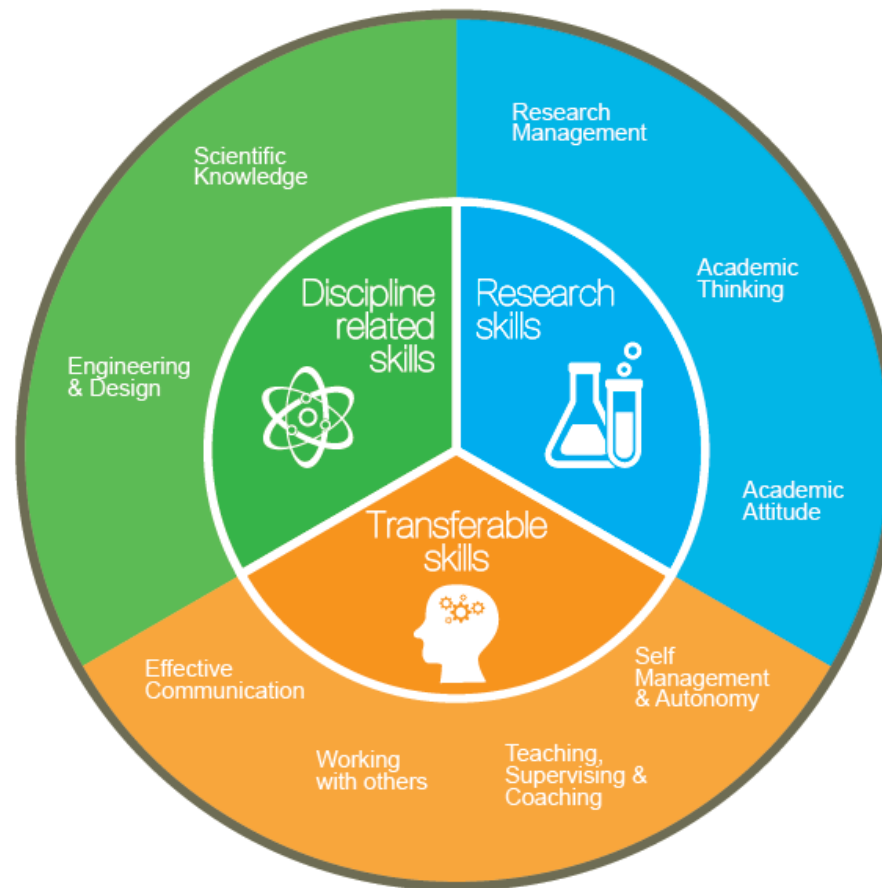
- Further progress and improve quality of work, together with fellow PhD candidates
- In-depth discussion of particular topics/themes, across section/department boundaries



Personal budget

- In order to facilitate participation in courses and conferences and to enable international travel, an amount of **7500** Euros per PhD candidate is reserved (by the promoter).
 - Each PhD candidate can take part in general courses centrally organized by the TUD GS. To finance this, the department/section is charged a lump sum of **2500** Euros.
 - In addition, each PhD candidate is allocated a personal budget of **5000 Euros**. It is the responsibility of the promoter to ensure that this amount is reserved when the PhD position is created.

Doctoral Education



TPM In-house offerings

- PhD Days
 - Residential 3 Day course
- Research Frontiers
 - Gain insight into current key research frontiers at TPM
 - Obtain knowledge of the many ways in which technology, policy and management can be entangled
 - Learn to discuss with senior TPM researchers the contents and process of their research
- Seminar series



Doctoral Monitoring Application

- Web-based application that **supports** the registration and monitoring of PhD candidates and their projects
- Important moments:
 - Registration (by TUD GS office) after intake
 - (Digital) PhD agreement (around 3 months)
 - Go/No Go review (9-12 months)
 - Yearly progress report
- Completed courses can be registered in DMA by uploading attendance form
- PhD candidate initiates, daily supervisor and promotor approve





- Website: www.graduateschool.tpm.tudelft.nl
- Email: graduateschool@tudelft.nl