

PERSONAL INFORMATION

Dr. Tuomas Jyrki Juhani Tala



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 Tuomas.Tala@vtt.fi

Sex Male | Date of birth 23/03/1972 | Nationality Finnish

WORK EXPERIENCE

| | |
|-----------------------|--|
| 1/3 2012 – present | Head of the Finnish Fusion Research Unit (head of FinnFusion Consortium) VTT, Espoo, Finland |
| 29/6 2004 – 30/6 2011 | JET Task Force Transport Leader EFDA-JET Facility, Culham, United Kingdom |
| 1/1 2005 – 31/12 2005 | Group Leader of the Fusion Physics Group VTT, Espoo, Finland |
| 1/3 1999 – 31/12 2004 | Research Scientist in Fusion Research VTT, Espoo, Finland |

EDUCATION AND TRAINING

| | |
|-------------|---|
| 1998 – 2002 | Doctor of Science in Technology Helsinki University of Technology, Department of Technical Physics and Mathematics, Finland |
| 1992 – 1998 | Master of Science in Technology Helsinki University of Technology, Department of Technical Physics and Mathematics, Finland |
| 1998 – 2019 | Seconded to various fusion laboratories in Europe and USA, 10 years in JET (UK), 0.5 years in AUG (Germany), 0.5 years in GA and MIT (US), 0.2 years in KSTAR-tokamak (Korea) |
| 2017 | IPMA Level C certified project manager |

PERSONAL SKILLS

Mother tongue(s) Finnish

Other language(s)

| | UNDERSTANDING | | SPEAKING | | WRITING |
|---------|---------------|---------|--------------------|-------------------|---------|
| | Listening | Reading | Spoken interaction | Spoken production | |
| English | C2 | C2 | C2 | C2 | C2 |
| EF SET | | | | | |
| German | A2 | B1 | A2 | A2 | A2 |
| Swedish | B2 | B2 | B1 | B1 | B2 |
| Spanish | A1 | A1 | A1 | A1 | A1 |

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](https://www.cedefop.europa.eu/en/common-european-framework-reference-languages)

Communication skills

Several TV presentations and radio interviews. Teaching at Aalto University. Responsible for fusion energy research related PR issues in Finland.

Organisational / managerial skills

- IPMA Level C certified project manager in 2017
- Head of FinnFusion consortium including research laboratories, universities and industry and contact point to Euratom fusion program, managing around 100 people within FinnFusion since 2012

Job-related skills

- Scientific career performed in the area of tokamak transport, experimental and modelling
- Responsible for industry collaboration between academia and private fusion industry

Digital competence

| SELF-ASSESSMENT | | | | |
|------------------------|-----------------|------------------|------------------|-----------------|
| Information processing | Communication | Content creation | Safety | Problem solving |
| Proficient user | Proficient user | Proficient user | Independent user | Proficient user |

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

Driving licence

AB

ADDITIONAL INFORMATION

Publications

Over 100 peer-reviewed publications in fusion related journals. H-index = 30. Numerous papers in newspapers and magazines.

Presentations

Over 50 invited talks in international conferences and workshops

Conferences

More than 150 conference papers in international conferences and workshops.

Memberships

Member in F4E Governing Board (2012 - present), Member in Programme Committee for the Research and Training Programme of the European Atomic Energy Community (2014 - present), Member in EUROfusion General Assembly (2014 – present), Member in Euratom Consultative Committee Energy for Fusion (CCE-FU) (2012-2013), Member in EFDA Steering Committee (2012-2013), Secretary of the national steering committee (2003-2005 and 2009-2011), European Member of International Tokamak Physics Activity (ITPA) in the area of Transport and Confinement from 2008 – 2019, Member of the Program Committee for 38th EPS Plasma Physics conference 2011, International Advisory Committee Member in International Joint Research Laboratory of Magnetic Confinement Fusion and Plasma Physics, Wuhan, China (2018-present)

Citations

Over 2600 citations in peer-reviewed journals

Certifications

IPMA Level C certified project manager

ANNEXES