Richard de Grijs

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EXECUTIVE SUMMARY

International science leader with executive experience across research institutions, global scientific organisations, and policy bodies. Proven track record in shaping research strategy, strengthening institutional governance, and building high-impact international collaborations across Asia–Pacific, Europe, and North America. Career spans astrophysics, science diplomacy, research integrity, and public-facing knowledge institutions, focusing on aligning organisational performance with long-term strategic priorities and public value. Experienced in leading complex, multi-stakeholder environments and delivering institutional outcomes through clear governance, standards-based systems, and globally connected research programmes.

PROFESSIONAL POSITIONING

- Executive leadership of international research and knowledge institutions
- Development and delivery of research strategy at Faculty and institutional level
- Governance, research integrity, and standards-based organisational systems
- International partnership building across academia, policy, and cultural sectors

CURRENT AND RECENT EXECUTIVE ROLES

2023–2026 Executive Director, International Space Science Institute–Beijing (ISSI-BJ), China

Leading an international institute facilitating cross-disciplinary collaboration in space and Earth sciences, with responsibility for research strategy, governance, and global partnerships; focus on scientific exploitation of open space-science data and planning for future space science missions.

- Established and implemented institute-wide research priorities across astrophysics, heliophysics, planetary science, and Earth observation.
- Expanded international engagement, strengthening Australia–Asia collaboration and building sustained global research networks.
- Directed governance, programme evaluation, and scientific quality assurance across a multidisciplinary international research platform.
- **Selected Distinction:** Awarded the Chinese Academy of Sciences Senior President's International Fellowship Initiative (2025), recognising international leadership in science collaboration.

2018–2021 Associate Dean (Global Engagement), Faculty of Science and Engineering, Macquarie University

Designed and delivered the Faculty's global research engagement strategy, strengthening international partnerships and positioning the university within the global research ecosystem.

- Developed and implemented the Faculty's first multi-year global engagement strategy supporting research capability growth .
- Established strategic partnerships across Asia and Europe aligned with institutional research priorities.
- Advised Faculty leadership on international risk, policy alignment, and emerging research trends.

2012–present International Astronomical Union (IAU) – Senior Leadership

Led global programmes in astronomy education, outreach, and development, coordinating multi-national stakeholders and governance-aligned initiatives.

- President, Division C (Education, Outreach & Heritage) | 2021–2024
- Chair, Office of Astronomy Education Steering Committee | 2021–present
- Founding Director, East Asian Office of Astronomy for Development | 2012–2016

OTHER SENIOR AND LEADERSHIP ROLES

2018–present Professor of Physics and Astronomy, Macquarie University, Sydney, Australia

Provide academic leadership and contribute to institutional strategy across Physics, Astronomy, and the School of Mathematical and Physical Sciences.

- Led multi-institutional programs connecting Australia, Europe and Asia, strengthening international research partnerships and enhancing Australia's global scientific standing.
- Research spans astrophysics and the history of science, including maritime navigation and knowledge systems.
- **Selected Distinction:** Awarded 2023 Excellence in Research Integrity Award, recognising leadership in embedding responsible research practice across disciplines.

2009–2018 Professor of Astrophysics, Associate Director (2012–2018); Kavli Institute for Astronomy and Astrophysics, Peking University, China

Led research programmes and contributed to institutional strategy at a leading international astrophysics institute.

- Guided scientific agenda setting and research capability development in data-intensive astrophysics research, positioning the Kavli Institute as a desirable global collaboration hub.
- Strengthened international partnerships and student/staff mobility pathways, established a competitive postdoctoral fellowship program and initiated multi-institutional projects with key partners—including the Thirty Meter Telescope Consortium and the University of California system.
- Contributed to governance and strategic decision-making, including hiring, research-program evaluation, policy development and multi-year planning.

2006–present Senior Editorial & Standards Leadership

Executive oversight of peer review, publication ethics, and research integrity systems across high-impact international journals.

- Scientific Editor & Deputy Editor-in-Chief, *The Astrophysical Journal* | 2006–2018
  Oversaw 2,000+ manuscript assessments, ensuring rigorous peer review, ethical compliance and editorial decision-making at international scale.
- Specialty Chief Editor (Fundamental Astronomy), *Frontiers in Astronomy and Space Sciences* | 2022–2023
- Editorial Leadership, *Journal of Astronomical History and Heritage* | 2019–present

Extensive advisory and workshop delivery in:

- Research integrity and misconduct prevention
- Peer review systems
- Scholarly publishing standards
- International research collaboration governance

2003–2010 Lecturer, Senior Lecturer, Reader; University of Sheffield, UK
2000–2003 Research Fellow, Institute of Astronomy, University of Cambridge, UK
1997–2000 Research Associate, University of Virginia, USA

INTERNATIONAL GOVERNANCE AND POLICY ROLES (selected)

Extensive engagement with international governance frameworks relating to research assessment, integrity, infrastructure and public accountability.

2026–present **Declaration on Research Assessment (DORA)** – Steering Committee
2025–present (i) **International Science Council (ISC)** – Steering Committee, "Forum on Publishing and Research Assessment"
(ii) **European Science Foundation** – College of Peer Review
2025 **Ministry of Science and Technology, Government of India** – Visiting Expert Committee, Indian Institute of Astrophysics
2017–2019 **ORCID** – Board Member; Chair, Nominations Committee

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AUSTRALIAN GOVERNANCE AND ADVISORY ROLES

2025–present **Sydney Harbour Federation Trust** – Advisory Committee

- *Provide strategic advice on heritage, public engagement, and harbour governance.*

2023–present **Science & Technology Australia (STA)** – Policy Committee (2nd term)

- *Contribute to national STEM policy development representing over 140 member organisations.*

2023–present **Australasian Academic Integrity Network**
2021–2023 **Astronomical Society of Australia** – Councillor
2020–2021 **Astronomy Australia Ltd.** – Science Advisory Committee (deputy chair)
2020–present **Australia–China Consortium for Astrophysics Research (ACAMAR)** – Australian Advisory Board

SELECTED STRATEGIC ACHIEVEMENTS

- Established and led an international science development institution spanning multiple East Asian nations.
- Strengthened governance and strategic alignment at Faculty level within a major Australian university.
- Led global education and heritage programmes within the International Astronomical Union.
- Directed editorial and peer-review processes across 2,000+ manuscripts in leading journals.
- Supervised 18 PhD completions and contributed to 300+ publications (*h*-index 59).
- Authored three books extending scholarship into public heritage and history of science.

EDUCATION

1993–1997 Ph.D. (Astrophysics), University of Groningen, Netherlands
1988–1992 M.Phil. (Physics & Astronomy), University of Groningen, Netherlands (Dutch “doctorandus”)

Full publication list: https://astro-expat.info/papersrev.pdf