

GALAMA Titus, PhD, MBA

Contact details

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PROFESSIONAL EXPERIENCE

POSITIONS HELD

9/2006 – Current	RAND Corporation – Physical Scientist, Full	Santa Monica, USA
1/2006 – 8/2006	RAND Europe – Senior Policy Analyst (Education, Science and Technology)	Leiden, The Netherlands
12/2003 – 12/2005	L.E.K. Consulting, LLC – Senior Strategy Consultant	Los Angeles, USA
9/1999 – 9/2002	California Institute of Technology – Fairchild Postdoctoral Prize Fellow	Pasadena, USA
1/1996 – 9/1999	University of Amsterdam – Ph.D. Researcher in Astrophysics	Amsterdam, The Netherlands

KEY SKILLS / ACHIEVEMENTS

People management, interpersonal and organizational skills

- Demonstrated organizational and client management skills (L.E.K.) in identifying and implementing, together with client-management team, various process improvement projects for a top 10 health insurance provider.
- Showed leadership and communication skills (Caltech and U. of Amsterdam) in operating large observational programs (directed teams of about 20-40 people) with a worldwide network of telescopes; Attaining NASA grants for our team's research: \$500,000 (2000) and \$350,000 (2001); Initiating successful international collaborations (universities in Europe / USA); Organizing scientific meetings and conferences.

Complex strategic and scientific problem-solving skills and innovation

- Showed vision and entrepreneurial skills in proposing a European Institute of Technology (EIT) three years before European Commission president E. Barroso proposed the exact same idea (currently a hot topic in the European debate on innovation and economic growth) – initiated and led feasibility study at business school INSEAD (2003), published Financial Times opinion editorial (2/22/2006) and RAND paper (WR-346), invited as one of eight EIT experts to the European Commission, interviewed by BBC world (radio) and CNBC (TV).
- Evaluated strategic options (L.E.K.) for several technology companies. Some examples are: a top 5 (worldwide) computer hardware technology company on entering the U.S. healthcare market, a top 5 (worldwide) pharmaceutical and academic instrumentation and reagent company on entering the cell biology market.
- Showed thought leadership (Caltech and U. of Amsterdam) through persistently defining new areas of research. Two of the discoveries presented in my Ph.D. thesis were considered the 5th and 10th most significant scientific discoveries of 1997 and 1999, respectively, by Science magazine.
- As an independent postdoctoral research fellow (Caltech) and as a Ph.D. researcher (U. of Amsterdam), developed theoretical models to interpret astrophysical observations (articles are extensively cited).

Communication, presentation and teaching skills

- Presented talk on a European Institute of Technology, RAND Santa Monica (3/7/2006)
- Presented several invited lectures and colloquia on astrophysics at universities, NASA, and at numerous conferences and meetings throughout Europe and the USA (1995 – 2003).
- Supervised L.E.K. associates during case work and Ph.D. students throughout their studies in astrophysics.
- Lectured undergraduate courses in observational astrophysics, physics and mathematics. Also, taught mathematics and physics to all levels at a prestigious high school.

Co-curricular activities: promoted science by popularization

- Gave media interviews (invited) on astrophysics for several European and American newspapers, popular science magazines, radio, and television (e.g., PBS's Nova [USA] and Channel Four [UK]).

Awards and distinctions

- European Commission's (Research Directorate General) Descartes Prize (2002) for our team's research.
- 'Vernieuwingsimpuls' Award: € 800,000 awarded by the Dutch National Science Foundation (NWO) to start a research group at the University of Amsterdam; declined (2001).
- Christiaan Huygens Award: € 9,000 awarded by the Minister of Education, Culture and Sciences on behalf of the Dutch Royal Academy of Sciences for the most outstanding thesis in astrophysics (2000).
- Fairchild Postdoctoral Prize Fellowship (\$ 150,000). Accepted this position and declined two other prize fellowships: the Hubble and Chandra Prize Fellowships (each \$ 150,000; 1999).

Selected publications (see below for recent publications)

- Galama, T.J. and Frinking, E., Making Europe a home fit for the next Einstein, **Financial Times**, 2/22/2006
- Galama, T.J. et al. 2006, The Pursuit of Excellence - A European Institute of Technology, **RAND**, WR-346.
- Galama, T.J., Mundstein, S., Pawel, G., 2003, Eurotech – a feasibility study for a European Institute of Technology, **INSEAD** (Prof. P. Turner).

Authored 57 scientific publications, published in major scientific journals (e.g., Nature [6]).

- Galama, T.J. et al. 1997, **Nature**, 387, 476-478.
- Galama, T.J. et al. 1998, **Nature**, 395, 670-672.
- Galama, T.J. et al. 1999, **Nature**, 398, 394-399.

EDUCATION

9/2002 – 8/2003	INSEAD , MBA Program (<i>Elmar Schulte Diversity Scholarship</i>)	Singapore/France
9/2001 – 9/2002	California Institute of Technology , Engineering & Project Management Certificates	Pasadena, USA
1/1996 – 9/1999	University of Amsterdam , Ph.D. Physics (' <i>cum laude</i> '; top 2%)	The Netherlands
9/1989 – 12/1995	University of Amsterdam , M.Sc. Physics (' <i>cum laude</i> '; top 5%)	The Netherlands

LANGUAGES Dutch (Native) English (Fluent) Spanish (Proficient) German, French (Conversational)

COMPUTER SKILLS Extensive programming experience: (I.T. operating systems: *Unix, Linux, Windows Xp*, Computer languages: *Pascal, Fortran, C++, HTML*. Software: *Word, Excel, Powerpoint, Crystal Ball, STATA, Mathematica, etc*)

OTHER EXPERIENCE

1992 – 1994 Elected to represent the student body at the U. of Amsterdam (Dep. Of Physics)

The Netherlands

PERSONAL INTERESTS

Hosting dinner parties for friends and colleagues. Passionate about travel and exploring other cultures and people (visited 40 countries). Sports (e.g., squash/tennis, hiking), strategy, international affairs, science.

RECENT PUBLICATIONS IN POLICY RESEARCH

Published

- **Galama**, T.J. and Frinking, E., "Making Europe a home fit for the next Einstein", **Financial Times**, 2/22/2006
- **Galama**, T.J. et al. "The Pursuit of Excellence - A European Institute of Technology", **RAND**, WR-346, 2006
- **Galama**, T.J., "Europe in pursuit of excellence", **RAND**, RB-9203-RE, 2006
- Van Rhee, G., **Galama**, T.J., et al. "Echte kanjers verdienen beter - Een analyse van de financiering van de grote onderzoeksfaciliteiten van TNO en de GTI's", **RAND**, TR-399-OCW, 2006
- **Galama**, T.J., Nooij, S., Van Rhee, G. "Echte kanjers verdienen Beter - Vertrouwelijk achtergronddocument bij TR-399-OCW", **RAND**

In progress

- **Galama**, T.J., Hosek, J., et al. " Title", **RAND**, in the process of writing for publication in MG series