



## Nominations for Officers and Executive Committee Members

30th CODATA General Assembly, Denver, CO., USA,

11 September 2016

### Covering Note on Elections of CODATA Officers and Executive Committee

CODATA Members as well as Task Groups and Working Groups are invited to make nominations for the election of Officers and Ordinary Members of the Executive Committee.

- For Members (National, Regional, Union, Co-Opted, Affiliate and Members-at-Large) nominations should be submitted by the Members' respective CODATA delegate.
- For Task Groups and Working Groups, nominations should be submitted by Group's Chair(s), with the agreement of the members.
- The Constitution does not specify how many candidates a Member or Task Group may nominate for a given position.

Nominations should be completed on the following form and submitted to the CODATA Secretariat by **1 April 2016**, in order that a provisional list of candidates can be distributed to delegates by **30 April 2016**. Additional candidates, in receipt of more than four nominations, may be added up to **1 July 2016**, in order that delegates receive the definitive Official List by **11 July 2016**.

### Eligibility

Above all, candidates should be nominated for their ability to contribute to CODATA's mission and its strategic objectives and activities, as articulated in the updated [CODATA Strategic Plan, 2013-18: 'Exploiting the Data Revolution'](#)

Please note the following eligibility criteria: 'A candidate for Officer or Ordinary Member of the Executive Committee, at the time of election, must be a long-term resident of, or have primary affiliation with, the territory of a voting National or Regional Member **or** must be the official Delegate of a Member Union or Co-Opted Organization, or the official Delegate of the Affiliate Members or the At-Large Members.' [Statute 6.1.a] Please consult the [CODATA Constitution](#) for other eligibility criteria.

### Open Offices

The Officers open for election at the 30th CODATA General Assembly, Denver, CO., USA, 11 September 2016 are:

- Secretary-General (to serve 2016-20)
- Treasurer (to serve 2016-20)
- Executive Committee Ordinary Member (8 to be elected, to serve 2016-18)

### Nominating Committee 2014-18

The nominating committee 2010-14 comprises GUO Huadong, China, (Former President and Chair); Mark Thorley (UK), Elizabeth Griffin (IAU) and Mary Zborowski (Canada).

### Submission Procedure and Deadline

Please submit the completed form by e-mail to Simon Hodson, CODATA Executive Director at [simon@codata.org](mailto:simon@codata.org) no later than **1 April 2016**. This will allow the provisional list of candidates to be distributed by **30 April 2016**.

## Nomination Form for the Election of Officers and Executive Committee

### 30th CODATA General Assembly, Denver, CO., USA, 11 September 2014

Nomination Submitted by	The National Committee for CODATA, Academia Sinica, Taipei (NCCODATA/AST)
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Representing	The National Committee for CODATA, Academia Sinica, Taipei (NCCODATA/AST)
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Name of Candidate	Dr. Der-Tsai Lee
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Affiliation	Academia Sinica, Taipei, Taiwan
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Nationality	Taiwan, Republic of China (R.O.C.)
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Nominated for	<i>Please Tick</i>
Secretary-General	
Treasurer	
Ordinary Member Executive Committee	✓

Scientific Discipline(s)	Computer Science
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Previous positions held in CODATA	Dates
Executive Committee Member, CODATA	2012/10-2014/10 2014/10-2016/10
Chair, The National Committee for CODATA, Academia Sinica, Taipei (NCCODATA/AST)	2007/3-2013/3
Committee Member, The National Committee for CODATA, Academia Sinica, Taipei (NCCODATA/AST)	2013/3-present

**Please provide a short statement of interest in the role.** Please consider in particular what the candidate would bring to the position of CODATA Officer or Ordinary Member of the Executive Committee, and how would they contribute to CODATA's mission and its strategic objectives and activities, as articulated in the updated [CODATA Strategic Plan, 2013-18: 'Exploiting the Data Revolution'](#)? What scientific achievements and leadership in data science and data management issues has the candidate shown which fit them for the role in question? **One Page. Please also attach a short CV of the proposed Candidate.**

### Statement of Interest

I welcome this precious opportunity, representing CODATA Academia Sinica Taipei in the second term, to stand for the re-election to serve on the CODATA Executive Committee.

I have been personally involved with CODATA since 2007, serving as the Chair of CODATA, Academia Sinica, Taipei, until 2012, when I was elected to be a Member of the CODATA Executive Committee. In the past four years, my two terms as a Member of the CODATA Executive Committee, I have served as a liaison to the Task Group of gROADS and focused on cultivation of young data scientists and early career data professionals, promoting open data, data citation practices to scientific communities within member organizations of CODATA Academia Sinica, Taipei, and governmental agencies.

Serving as a Member of the Executive Committee of CODATA, and given the prevalence of data science, I appreciate the vision and scope that CODATA forerunners and current secretariat have established. With no doubt I am most pleased to have this opportunity to help promote data science and data citation practices, with my computer science domain expertise, academic network, and most of all, personal commitment.

CODATA Executive Committee experiences have extended and augmented my involvement and facilitation of cross disciplinary dialogues, among different government units and research institutions in Taiwan and at the same time help shed lights on the knowledge and practice divide that have existed between our local government and global development.

In this coming term, if elected, I will focus more on bridging CODATA with regional member organizations, in Taiwan and Asia, exploring community interests.

1. **Deepen the connection between CODATA and regional scientific community:** I have bridged and connected CODATA by playing multiple roles I serve. For instance, as the Organizer of one of eight Themes, Theme on Emerging Technologies, in the 23<sup>rd</sup> Pacific Science Congress on Science, Technology and Innovation (<http://www.psc2016.sinica.edu.tw>, to be held on June 13-17, 2016, at Academia Sinica, Taipei, Taiwan) and as an Organizing Committee Member for planning the establishment of a new Data Science Center, involving Institute of Information Science, Institute of Statistical Science, and Research Center of Information Technology Innovation, of Academia Sinica, Taipei, and participating in an initiative to launch a new PhD program on Data Science in cooperation with National Taiwan University, under the Taiwan International Graduate Program, Academia Sinica.
2. **Collaborating with emerging and existing organizations to explore multidisciplinary challenges:** An annual Data Science Convention (<http://datasci.tw>) has been organized in the past two years in Taiwan, and has become one of the most popular events among young data science professionals in Taiwan, after this wave of big data. A group of leading young scientists have begun to promote the idea of forming a new multidisciplinary field: Computational Social Science, which will be a collaborative effort for integrating and enhancing collaboration of Data Science, Computer Science and Social Sciences. How to connect RDA / CODATA / WDS initiatives with this vital movement, will be an important direction. Local governments, academia, and private sector are also forming partnership to engage in IT-based municipal urban innovations like smart cities and digital culture. For example, I am serving as Program Coordinator of the Taiwan Digital Culture Center Initiative, sponsored by the City of Taichung, Taiwan with an annual budget of approximately 600,000 EUR, after I stepped down as President of National Chung Hsing University in Taichung, in August 2015. These efforts will help CODATA gain its visibility and develop cooperation with grass root initiatives, and furthermore expand its role via a successful connection with RDA and WDS.

3. **Cultivating Asian data science / data policy experts and future leaders:** Aligning with a newly founded non-profit organization, Hong-Hua Environmental Protection and Digital Future Foundation, dedicated to the improvement of environmental and social well-being using IT and data technologies, which I am currently serving as President, we would like to establish a collaborative network in Asia and the world for information and practice sharing. CODATA could play a catalyst role to help reach out to its members for such a network. For instance, based on research and model of prominent PM 2.5 air pollution and data acquired from environmental monitoring, outstanding scientists could build up their cases. These case studies could be better used if they can be shared, so scientists in other parts of the world can learn from each other. Through such close and substantial collaboration, these scientists could be affiliated with CODATA in multiple ways and join the global community with a new perspective.

In summary, I have been involved in CODATA for the last decade, and it is a great opportunity for me to contribute my knowledge, networking and influence to the global community. I hope to bring more young and new minds into CODATA family, and jointly address multifaceted challenges that face us all in the future.

#### Short CV



Dr. Der-Tsai Lee received his M.S. and Ph. D. degrees in Computer Science from the University of Illinois at Urbana-Champaign in 1976 and 1978 respectively.

Dr. Lee is President of Hong-Hua Environmental Protection and Digital Future Foundation, a non-profit organization, newly founded in April 2016, which is dedicated to the improvement of environmental and social well-being with information and data technologies addressing multifaceted challenges facing humanity and society. Prior to that, he was President of National Chung Hsing University, Taichung, Taiwan from August 1, 2011 to July 31, 2015.

He has been with the Institute of Information Science, Academia Sinica, Taiwan, where he is a Distinguished Research Fellow since July 1, 1998 and was the Director from July 1, 1998 to September 15, 2008. Prior to joining IIS, he was Professor of the Dept. of Electrical Engineering and Computer Science, Northwestern University, where he has worked since 1978. He is also a Distinguished Research Chair Professor of Computer Science, National Taiwan University, Chair Professor of Computer Science and Engineering, National Chung Hsing University and Honorary Chair Professor of National Taiwan Tech. He was Chair of CODATA-Taipei, International Council for Science (ICSU) during 2007-2013, and continues to make contributions to CODATA, as an Executive Committee Member, since 2012.

He is Editor of *Algorithmica*, *International J. of Information and Computer Security*, *LNCS Transactions on Computational Science*, Co-Editor-in-Chief of *Int'l Journal of Computational Geometry & Applications*, and Series Editor of *Lecture Notes Series on Computing* for World Scientific Publishing Co., Singapore.

He is Fellow of IEEE (1992), Fellow of ACM (1997), Academician of Academia Sinica (2004), Humboldt Research Awardee (2007), Science Profession Medalist, National Science Council (2008), Member of TWAS (2008), Distinguished Alumni Educator Award, University of Illinois (2014), and the Ambassador Scientist in Taiwan of the Alexander von Humboldt Foundation, Germany (2010-2015), and German-Taiwanese Friendship Awardee (2014) from Deutsches Institut Taipei.