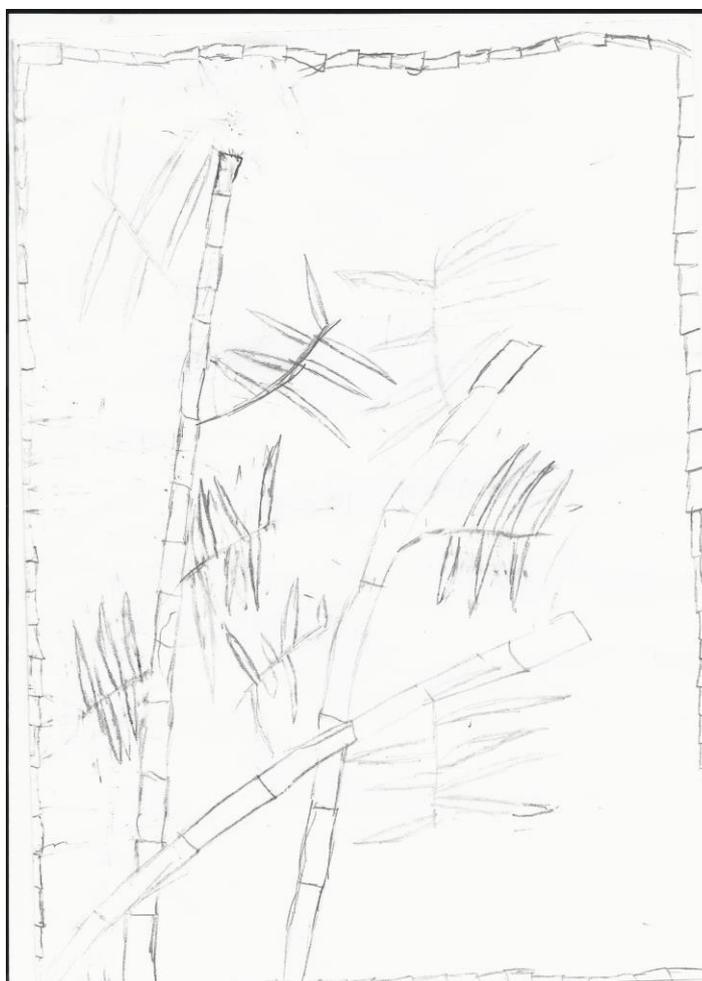




VIETNAM YOUNG ACADEMY (VYA) BULLETIN

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The early drawing of the three bamboos for VYA logo by Miss T. Lan, November 2014.

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Vietnam Young Academy, <http://vietnamyoungacademy.org>, Email: info@vietnamyoungacademy.org

VYA Bulletin prepared by Prof. Nguyen Thi Kim Thanh and Dr. Nghia Truong Phuoc.

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1. PREFACE

It is my great pleasure to edit this special VYA bulletin. When my term as a founding member of Global Young Academy (GYA, <https://globalyoungacademy.net/members/>) nearly came to the end in 2013, I had a burning desire to have Vietnamese researchers elected to GYA. With a population of nearly 93 million, Vietnam has a pretty reasonably strong science base, and yet, it was missing out by not having any member of GYA. Not anymore, we now have an excellent Ambassador for Vietnamese Young Scientists at GYA, Dr Tran Quang Huy was elected this year. In this issue, I briefly present some activities prior to the establishment of VYA. Now with VYA is up and running, it has a lot more to do to serve Vietnamese Young Scientists, and also it needs lots of help and support from them too. We are also privileged to have a great legion of VYA friends, who also have contributed in shaping VYA what it is today. We thank you for all of your support and we will try our best in keeping up our voluntary work for VYA. *By Nguyen T. K. Thanh*

2. PRE-VYA AND THE ESTABLISHMENT OF VYA

- On 24/5/2013, I sent an email about GYA and the fact that there was not a single GYA member from Vietnam to the Vietnamese editorial board of Advances in Natural Sciences: Nanoscience and Nanotechnology
- On 28/7/2013, I sent an email to Professor Nguyen Van Hieu, Former President of Vietnam Academy of Science and Technology about GYA.
- I encouraged Dr. Tran Quang Huy to apply to become a member of GYA in 2013, unfortunately he was not admitted to GYA.
- I have contacted Associate Professor Tran Kim Anh, a founder of Vietnamese Women Society in Materials Science to help with establishment of Vietnam Young Academy. She has been very enthusiastic about the idea and very supportive. I have also connected Dr Tran Quang Huy and Associate Professor Tran Kim Anh about establishing of VYA.
- In April 2014, I gave a talk about GYA at Materials Research Institute, Vietnam Academy of Science and Technology to a group of about 30 researchers mainly postdocs and PhD students hosted by Professor Nguyen Xuan Phuc.
- I also encouraged Dr. Bich Thi Luong and others to apply for GYA in August 2014.
- In mid-September 2014, I was informed that my application to go to Vietnam as [GYA's Young Scientist Ambassador](#) in Vietnam was successful.
- I strategically launched VYA, during the 6th International Workshop on Advance Materials Science and Nanotechnology ([IWAMSN-2014](#), November, 2-6th, 2014). As this is the biggest international conference in Vietnam, where many Vietnamese scientists, especially young ones were attending including Dr Tran Quang Huy and Dr Luong Thi Bich and Associate Professor Tran Kim Anh.



- I discussed with Associate Professor Tran Kim Anh about my decision to establish VYA on the **2nd of November 2014**.

It was such a nice and positive thing for the establishment of VYA is that it got a very strong support from senior academics, the number of advisory board members was larger than that of the members! And the rest is history! *By Nguyen T. K. Thanh*

3. GUEST ARTICLES FROM FORMER EXECUTIVE MEMBERS OF GYA

Martin Dominik is a Reader (Associate Professor) in the School of Physics & Astronomy, University of St Andrews, UK. He and I were among the privileged few, as Royal Society University Research Fellows, often mingled at various events run by the Royal Society (Academy of Science in the UK, the Republic of Ireland and the Commonwealth). One of them was at Scientists meet the Media Party annual event, and we ended up talking about GYA. Martin has tremendous contribution to GYA, being an extremely active member, and in the last year he was a member of Executive Committee. It is a privilege that he is in the Advisory Board of VYA. And here is what he has to say about GYA:

“I felt rather frustrated about the fact that younger scholars are regularly systematically excluded from developing strategies of universities or research councils, and even learned societies sometimes tend to think that intelligent life only starts at professorial level. At the same time, I made the experience that some excellent suggestions arising from critical assessment of established structures come even from students, and it was most valuable for me to listen to their thoughts. Many people I talked to stated that lots of decisions taken are plainly wrong, but also that things are as they are, and that they cannot change them. Most fundamentally disagreeing with the latter, I felt most encouraged to set up a platform for younger scholars to not only discuss, but eventually drive change. I had previously taken the opportunity to meet up with like-minded people through events organised by the Royal Society for its research award holders, and was delighted to hear about the Global Young Academy (GYA). In fact, having already been involved in capacity building in the Middle East, and being able to think beyond national boundaries, the global perspective was something much to my liking.

I will never forget the experience of my first GYA Annual Meeting, which took place in Johannesburg, South Africa: A culture of constructive criticism and respectful disagreement fostered rapid analysis of challenges and problems, and promptly led to conclusions. I had never been working in such a great environment before. Within a few days, we were able to lay out a comprehensive question framework on scholarly excellence, covering three aspects: 1) What is it?, 2) How do we measure it?, 3) How do we support it?. This then informed a range of specific activities of the GYA over the next 5 years, including a study on “Perceptions of Research Excellence”, a conference session on “What environment is required to fulfil the role of a scientist?”, a presentation on “Rewards, Careers, and Integrity – perspectives of young scientists from around the world”, a report “Global State of Young Scientists in ASEAN – Creativity and Innovation of



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Young Scientists in ASEAN”, as well as involvement in consultations on “Next-generation Altmetrics: Responsible Metrics and Evaluation for Open Science” and the revision of the ALLEA “European Code of Conduct for Research Integrity”. If it ever needed a proof that things are not to stay as they are, and that we rather can change them, the GYA delivered it.” *By Martin Dominik.*

VYA has constant spiritual support from around the world, as I would like this Bulletin to be a special one to celebrate a VYA member (Dr. Tran Quang Huy) elected as member of GYA. I have also asked Ms Ghada Bassioni, who is currently a Fulbright Fellow at Mechanical Engineering Department, University of Maryland, USA and on leave from her post as Associate Professor and Head of the Chemistry Department, Faculty of Engineering, Ain Shams University, Cairo, Egypt to write about her GYA experience. I met Ghada from one of GYA General Assemblies and was lucky to meet her again in her beautiful city Cairo and am impressed about her energy in many of her activities for GYA, not least her role as Executive Member of GYA. Here is what she wrote for us:

“The Global Young Academy considers itself as the “Voice of Young Scientists” representing the opinion of young professionals by releasing statements, publications and letters to the editors of renowned journals. I joined the Global Young Academy in 2013 and I have served two years in its executive committee. We have a wonderful team of dedicated young scientists and are progressing slowly but surely to a worldwide recognition on one hand and to a proactive outreach to society on the other. We want to see our voice heard and we succeeded to be recognized as a pool of young professionals at the UN and the EU Commission and on many other fronts. The Global Young Academy pursues the goal of finding solutions to global problems through science. I believe young scientists can contribute a lot to this cause. We have created different working groups which work on specific topics like ‘Women in science’, ‘Science education’, ‘The Young Scientists Ambassadors Program’ and others. These programs seek for outreach and capacity building. In particular, ‘Women in Science’ is a topic very dear to my heart. Through the ‘Women in Science’ working group at the Global Young Academy we are trying to tackle challenges that are globally seen for young women. Surprisingly, more challenges are observed in the developed countries than in the developing world. I believe it is necessary to engage in workshops and seminars to raise awareness of the problems women might face in their career. The GYA is further committed in allocating continuous attention and efforts to provide capacity building opportunities to young scientists through the co-organization of workshops, conferences and leadership trainings. We all believe that research should contribute to the benefit of mankind and that it should make a difference. This wonderful network of renowned young scientists is a fantastic platform for scientific exchange, too. North-South and Interdisciplinarity is commonly seen in collaborations arising from this amazing community. Through our outreach programs at the GYA we try hard to communicate science to the public as well. No doubt, being part of that community rewarded me with a lot of skills; social, cultural and scientific.” *By Ghada Bassioni*

Thank you Martin and Ghada for your never ending support for VYA.

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4. VYA HIGHLIGHTS

Dr Tran Quang Huy well deserved to be elected to be a member of GYA, he is one of the earliest and most active members of VYA, and currently serving as the elected Chair of VYA. Huy is expected to develop his leadership and managerial skills through his role as the member of GYA and will encourage more Vietnamese Young Scientists to join GYA and VYA. The news of Dr Huy elected as member of GYA has been featured widely in Vietnamese mainstream media as well as many online outlets:

- + Vietnamnet: <http://vietnamnet.vn/vn/giao-duc/khoa-hoc/tien-si-y-khoa-viet-nam-duoc-bau-vao-vien-han-lam-khoa-hoc-tre-toan-cau-372178.html>
- + Dân trí: <http://dantri.com.vn/giao-duc-khuyen-hoc/tien-si-viet-duoc-bau-vao-vien-han-lam-khoa-hoc-tre-toan-cau-20170512082639776.htm>
- + Nhân dân: <http://www.nhandan.com.vn/giaoduc/tin-tuc/item/32896502-tien-si-y-khoa-tran-quang-huy-duoc-bau-vao-vien-han-lam-khoa-hoc-tre-toan-cau.html>
- + HUS-VNU, Hanoi: <http://hus.vnu.edu.vn/en/news/main/5/100/57785>
- + Vietnam Breaking News: <https://www.vietnambreakingnews.com/2017/05/may-15-21-president-tran-dai-quang-concludes-state-visit-to-china/>
- +Tiền Phong: <http://www.tienphong.vn/giao-duc/tien-si-viet-duoc-bau-vao-vien-han-lam-khoa-hoc-tre-toan-cau-1148554.tpo>
- + Thanh niên (The Youth): <http://thanhnienvn.vn/gioi-tre/tien-si-viet-tro-thanh-nha-khoa-hoc-tre-toan-cau-840764.html?F>

Here is a brief report from Dr Huy about the annual general meeting (AGM) of GYA from 15 to 19 May 2017 in Aviemore, Scotland:

In the morning of 16 May 2017, together with other new members from different countries, he was inaugurated as an official GYA member for the term of five years. He had met many talented young scientists around the world and established a network with other GYA members. In his term, he will serve in the GYA Young Scientist Ambassador Programme and also participate in the Science Education for Youth Working Group. At the meeting, he also joined to vote for new co-chairs and nine members of Executive Committee for the term of 2017 – 2018, and discussed about the future of GYA.

At the 7th International Conference of Young Scientists, he also listened to more than 35 presentations of GYA members on the topic entitled “Social Justice in a Rapidly Changing World”, joined the panel discussion entitled “Community Empowerment made Global: Shaping Shared Futures” with four talks delivered by well-known scientists coming from Universities in Scotland. Particularly, he was pleased to meet Professor Gordon McBean, the President of the International Council for Science (ICSU) who joined the conference and had a talk entitled “International Transdisciplinary Research Programmes”.

An activity annexed to the GYA meeting, all GYA members coming from ASEAN countries (Cambodia, Malaysia, Philippines, Thailand and Vietnam) have discussed about



establishment of an ASEAN young scientists network for upcoming years, and also pushing the network to be heard and potentially supported by the ASEAN Community Executives.



ASIAN delegates from Cambodia, Japan, Malaysia, Phillipines, Taiwan, Thailand and Vietnam (Photo: Boon Han).

The ASEAN Science Leadership Programme (SLP) will be organized during September 7 - 11, 2017 in Malaysia. VYA will join as part of this programme, and the call for application will be sent out soon. All accepted participants will be fully supported by the programme. Please contact Dr Huy for further information.

The next AGM of GYA will be held in 2018 in Pattaya, Thailand.



GYA members enjoyed Dalwhinnie, the highest distillery in centre of Scotland and is known for 15 year old single malt Scotch whisky (Photo: Kit Chan).

5.VYA ON-GOING ACTIVITIES

Promoting VYA:

- Dr Huy has discussed with Assoc. Prof. Le Anh Tuan – a friend of GYA, about the possibility to have a short introduction of VYA at the workshop on advanced nanomaterials & nanotechnology-WANN 2017, and its proceeding. This event will be held from 14 to 15 August 2017, thanks to the 10th anniversary of the Advanced Institute for Sciences and Technology (AIST), Hanoi University of Science and Technology (HUST).
- Assoc. Prof Manh Huong Phan has discussed with Prof. Nguyen Duc Chien (President of Vietnam Materials Research Society) about the possibility to have a short introduction of VYA at the 10th Vietnam National Conference of Solid Physics and Materials Science (SPMS-2017), held from 19-21 October 2017, Hue city, Vietnam.

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- Establishing connection with other conferences hosted in Vietnam (by Dr. LM Hoa and other OC members), and with other Vietnamese organizations and government (by TQ Huy and Assoc. Prof. Nguyen Phuong Tung)
- Continue to promote VYA on various media channels, including writing an article for “Hội Nữ Trí thức Việt Nam” (Vietnamese Women Scientists Association) by TQ Huy.
- **Website** is being re-designed by TQ Huy to facilitate new updates.
- **VYA membership renewal** form is being generated by LM Hoa.
- **Scientific activities:** Bionano Meeting in Vietnam in 2019 will be organised by TQ Huy, PM Huong, Cao Cuong and Nguyen TK Thanh.

6. FUNDING AND CONFERENCES

- **Nanofabrication Staff Scientist Position:** Staff Scientists at IST Austria pursue research projects together with professors, serving as collaborators with expertise normally not present within research groups. We are looking for a nanofabrication staff scientist who is interested in the field of nanoscience and takes the responsibility for running and developing recipes for a state of the art 100 keV electron beam lithography system in the newly built nanofabrication facility. The staff scientist will be associated with the nanofabrication facility, which provides their service for research groups on campus. The position is limited to five years, with the possibility of extension. Please submit your application online at <https://apply.app.ist.ac.at/>. More information at <https://ist.ac.at/about-ist-austria/open-positions/staff-scientists/>
- **UK Colloids 2017** Conference (www.ukcolloids.com) sponsored by Royal Society of Chemistry will be on July 10th-12th 2017 in Manchester. The Nanoparticles Section is chaired by Prof. Nguyen TK Thanh. **Deadline for poster is 19 June 2017.**
- **Newton Fund April calls now open:** The latest calls under the Newton Fund are now open: Newton Fund Researcher Links Workshop Grants, application deadline 13 June 2017, Newton Fund Researcher Links Travel Grants, application deadline 13 June 2017, Newton Fund Institutional Links Grants, **application deadline 13 June 2017.** More info here: <https://www.britishcouncil.org/education/science/current-opportunities>
- **Call for research proposals:** The UK Government’s Global Challenges Research Fund is calling for research proposals on “Cities and Infrastructure”. The call invites proposals from UK-based researchers across all academic disciplines within the social sciences, the humanities, engineering, medical and natural sciences, to develop and lead interdisciplinary, problem-focused research projects that address the challenge of creating and maintaining sustainable and resilient cities in developing countries, recognising the need to interweave



mitigation and adaptation. The Cities & Infrastructure Programme will fund research projects geared towards producing the evidence that will inform policies and interventions aimed at improving people's lives in fragile or conflict-affected states or in developing countries. If you are interested in this opportunity please liaise with UK-based researcher(s) to explore the collaboration. **Deadline for applications: 14 June 2017.** For further information please see: <http://www.britac.ac.uk/global-challenges-research-fund-resilient-cities-infrastructure>.

- **Call for research proposals:** The National Foundation for Science and Technology Development (NAFOSTED) has launched their reciprocal call for Researcher Mobility applications: Short-term research fellowship in the UK (1-6 months) under the NAFOSTED - UK Academies collaboration programme of the Newton Fund. **Deadline: 16th June 2017.** A detailed guidance is posted on NAFOSTED's website, please see the link here: <http://www.nafosted.gov.vn/en/news/Funding-Announcement/Call-for-applications-UK-Fellowship-grants-following-NAFOSTED-The-UK-Academies-collaboration-programme-78/>
- **Call for research proposals:** The Association of Southeast Asian Nations (ASEAN) and the U.S. Agency for International Development (USAID), in partnership with Underwriters Laboratories (UL), a global safety science company, launched today the third annual ASEAN-U.S. Science Prize for Women. The 2017 prize will award a talented, early career woman from the ASEAN region working in applied science. Candidates should be 40 years of age or younger at the time of submission with an area of expertise related to year's theme. Applications and nominations will be accepted from May 3 **until June 23, 2017** at <http://bit.ly/sprules>. This year's prize will center on urban resilience with a focus on health, transportation and infrastructure, and workforce safety. The 2017 ASEAN-U.S. Science Prize for Women is looking to reward young women who are using applied sciences to solve these challenges.
- **Call for participants:** Third Worldwide Meeting of Young Academies, South Africa – July 2017. The 3rd Worldwide Meeting of Young Academies will take place in Johannesburg, South Africa, **from 19-21 July 2017**, kindly hosted by the South African Young Academy of Science (SAYAS) and co-organised by the Global Young Academy (GYA). This meeting will be a great opportunity for representatives from NYAs and similar bodies to exchange ideas and expertise, discuss successful Young Academy (YA) activities and think about future networking and cooperation both on a global and on regional levels. This meeting explicitly supports fledgling Young Academies and similar initiatives; it provides an opportunity to learn from success stories and about challenges Young Academies face. In addition, in partnership with the Department of Science and Technology (DST), the Academy of Science of South Africa (ASSAf), the World Academy of Sciences Regional Office of sub-Saharan Africa (TWAS-ROSSA), the Organisation for Women in Science for the Developing World -South Africa Chapter (OWSD SANC), and the National Research Foundation (NRF), SAYAS will host their annual Young Scientists Conference on “Young Scientists’ Role in Science Advice” on 19 July, as part of the Worldwide Meeting. So far, representatives from



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20 different National Young Academies and from 4 initiatives have registered to participate. Registration is still possible. Please contact VYA chair, Dr. Tran Quang Huy if you would like to represent VYA. We hope to have one or two representative members of VYA to attend the meeting.

- **256th ACS National Meeting & Exposition Symposium** on "Detection of infectious diseases and toxin in food using nanoparticles", **the 19th-23rd August 2018**, Boston, USA, will be chaired by Prof. Nguyen TK Thanh and Dr Cao Cuong.
- **Call for research proposals:** UK Space Agency's International Partnership Programme under the Global Challenges Research Fund (GCRF) informs a second call for research proposals about satellite technologies to address development problems (SDGs) in developing countries, including Vietnam. It is advised that the international partners, including research organisations, institutes, government organisation and NGOs team up with the UK-based organisations (either academia or industries) to apply for this programme". **Deadline: 5th September 2017:** <https://www.gov.uk/guidance/apply-for-funding-academic-community-and-educational>
- **Call for participants: Meeting of the Asian Young Academies.** Science and Society: Challenges and Prospects in Jerusalem 11th-13th February 2018. Objectives of the meeting are to encourage collaboration between the Asian Young Academies, to foster the effectiveness of academia and science in policy-making and to encourage a meaningful dialogue between academia and the public. Please send a 250-word abstract to sima@academy.ac.il. **The deadline will be extended until 30th June 2017.** The Israel Young Academy will cover for the accommodation and living costs of selected participants.
- **Call for Nominations:** Sanofi and the Institut Pasteur are pleased to announce the Sanofi - Institut Pasteur 2017 Awards. These Awards will honor and support two international scientists, whose outstanding research shows real progress in the life sciences that contributes to global public health, specifically in the following fields: IMMUNOLOGY, MICROBIOLOGY & INFECTION. The four scientists to be awarded should have published outstanding research as principal investigators in major scientific journals. There is the category of award: - Two International awards - € 120 000 each. More information available on our dedicated page: <https://www.pasteur.fr/fr/sanofi-institutpasteur-awards.fr>.

6. CALL FOR NEW VYA MEMBERS WILL BE OPEN SHORTLY, SEE THE FORM IN OUR WEBSITE.

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