



Signing Ceremony of 23 Academic agreements in Tokyo

Monday 5 December 2022 at 18:05-18:35

Venue: La Lune room, 41st floor, The Okura Tokyo

1. ARTEVELDE UNIVERSITY OF APPLIED SCIENCES – NAGOYA UNIVERSITY OF FOREIGN STUDIES

- Artevelde University of Applied Sciences strengthens ties with Japanese partner institution during the princely mission.

During the princely mission to Japan led by HRH Princess Astrid, Artevelde University of Applied Sciences is renewing its collaboration with partner institution Nagoya University of Foreign Studies. Both parties are re-signing the Memorandum of Understanding. As innovative education and research biotope, Artevelde University of Applied Sciences is also exploring the Japanese market to establish collaborations.

The Memorandum of Understanding is important to confirm the international collaboration between the partner institutions. Students, lecturers and staff get the opportunity to specialise themselves in intercultural relations and exchange thoughts on an international level.

For the future development of educational innovation within the Health and Care domain of expertise, more specifically in simulation education and XR, the university college is exploring possible partnerships. Japan is a strong player in EdTech and a pioneer in the development of VR applications. The university college wants to enter into collaborations within the subject 'Human-centred Health Technology' to strengthen ongoing projects on AR/VR, EdTech, AI, serious gaming, and so on.

➤ **Websites:**

- <https://www.artevelde-uas.be/>
- <https://www-e.nufs.ac.jp/>

➤ **Contacts:**

- Ms. CLAESSENS Patricia, Director of Health Care, ARTEVELDE UNIVERSITY OF APPLIED SCIENCES, patricia.claessens@arteveldehs.be
- Mr. WAKAO Akihiro, Director, NAGOYA UNIVERSITY OF FOREIGN STUDIES, wakao@nufs.ac.jp

2. GHENT UNIVERSITY – AKITA INTERNATIONAL UNIVERSITY

- Akita International University and Ghent University prolong their bilateral cooperation by signing a Student and Staff Exchange Agreement. The original cooperation was set up in 2018 and is being prolonged for another 5 years. The scope of the agreement is the exchange of students and staff in the area of Japanese studies (Faculty of Arts and Philosophy of Ghent University).



➤ **Websites:**

- <https://www.ugent.be/>
- <https://web.aiu.ac.jp/en/>

➤ **Contacts:**

- Mr. VAN DE WALLE Rik, Rector, GHENT UNIVERSITY, rik.vandewalle@ugent.be
- Mr. ISOGAI Ken, Vice President, AKITA INTERNATIONAL UNIVERSITY

3. GHENT UNIVERSITY – HOKKAIDO UNIVERSITY

- Hokkaido University and Ghent University prolong their bilateral cooperation by signing a Student and Staff Exchange Agreement. The original cooperation was set up in 2013, has been prolonged in 2018 and is now extended for another 5 years. The scope of the agreement is the exchange of students and staff in the area of Japanese studies (Faculty of Arts and Philosophy), Physics and Astronomy (Faculty of Sciences) and Civil Engineering (Faculty of Engineering and Architecture).

➤ **Websites:**

- <https://www.ugent.be/>
- <https://www.global.hokudai.ac.jp/>

➤ **Contacts:**

- Mr. VAN DE WALLE Rik, Rector, GHENT UNIVERSITY, rik.vandewalle@ugent.be
- Mr. HOUKIN Kiyohiro, President, HOKKAIDO UNIVERSITY, global@oia.hokudai.ac.jp

4. GHENT UNIVERSITY – KYOTO INSTITUTE FOR TECHNOLOGY

- WE-TEAM is a two-year Erasmus Mundus Joint Master Degree (EMJMD) programme to train the next generation of textile engineers. It is a full-time programme in English. It offers students an exceptional level of mobility and high-quality teaching. The WE-Team consortium comprises six partners: Ghent University, Kyoto Institute of Technology, University of Haute-Alsace (UHA), University of Boras, University of West Attica and Universitat Politècnica de València; and five associate partners including the Japanese institution Shinshu University. During the signing ceremony, Ghent University plans to have the consortium agreement with the Kyoto Institute of Technology formally signed.

➤ **Websites:**

- <https://www.ugent.be/>
- <https://www.kit.ac.jp/en/>

➤ **Contacts:**

- Mr. VAN DE WALLE Rik, Rector, GHENT UNIVERSITY, rik.vandewalle@ugent.be
- Mr. MORISAKO Kiyotaka, President, KYOTO INSTITUTE FOR TECHNOLOGY, kokusai@jim.kit.ac.jp



5. GHENT UNIVERSITY – SHINSHU UNIVERSITY

- WE-TEAM is a two year Erasmus Mundus Joint Master Degree (EMJMD) Program to educate the next generation of textile engineers. It is a full-time programme lectured in English. It offers students an exceptional level of mobility and high quality education. The consortium of WE-Team consists out of 6 full-partners : Ghent University, Kyoto Institute of Technology, University of Haute-Alsace (UHA), University of Boras, University of West Attica and Universitat Politècnica de València and five associated partners, among which the Japanese institution Shinshu University.
- **Websites:**
 - <https://www.ugent.be/>
 - <https://www.shinshu-u.ac.jp/english/>
- **Contacts:**
 - Mr. VAN DE WALLE Rik, Rector, GHENT UNIVERSITY, rik.vandewalle@ugent.be
 - Mr. MORIKAWA Hideaki, Dean, Faculty of Textile Science and Technology, SHINSHU UNIVERSITY, morikaw@shinshu-u.ac.jp

6. HAUTE ÉCOLE DE NAMUR-LIÈGE-LUXEMBOURG – NATIONAL INSTITUTE OF TECHNOLOGY, HAKODATE COLLEGE

- The National Institute of Technology (KOSEN), Hakodate College in Japan and the Hénallux University College in Belgium are pleased to sign a Memorandum of Understanding which unifies the two institutions.

The Memorandum of Understanding has an aim to promote good mutual understandings and reinforce the cultural links between the two countries. It allows to the exchange students and staff to enlarge their competences and openness of mind.

- **Websites:**
 - <https://www.henallux.be/>
 - <https://www.hakodate-ct.ac.jp/>
- **Contacts:**
 - Mr. DUJARDIN Benoit, Director-Presdeint, HAUTE ÉCOLE DE NAMUR-LIÈGE-LUXEMBOURG, benoit.dujardin@henallux.be
 - Ms. ABE Megumi, President, NATIONAL INSTITUTE OF TECHNOLOGY, HAKODATE COLLEGE, koucho01@hakodate-ct.ac.jp

7. HAUTE ÉCOLE EPHEC – SOKA UNIVERSITY

- EPHEC and Soka University have signed a collaboration agreement to develop student and staff mobility, research projects or any other collaboration that will strengthen the links between the two institutions.



The two institutions, founded just over 50 years ago, have identical visions as they wish to be a vehicle for the development of active and entrepreneurial citizens on a local and international scale. Internationalisation and sustainable development are pillars of their strategy. Indeed, developing international skills for all and integrating the United Nations' sustainable development objectives into the curriculum are common pedagogical objectives. Ensuring the development of research projects in their fields of expertise is part of their mission.

This agreement will add value to the missions of both institutions, as is the significance of Soka Education, to which the name Soka University refers.

➤ **Websites:**

- <https://www.ephec.be/>
- <https://www.soka.ac.jp/en/>

➤ **Contacts:**

- Ms. HAVRENNE Emmanuelle, Vice-Chancellor, HAUTE ECOLE EPHEC, e.havrenne@ephec.be
- Ms. BROOIJMANS Barbara, Director International Relations, HAUTE ECOLE EPHEC, b.brooijmans@ephec.be
- Mr. SUZUKI Masashi, President SOKA UNIVERSITY, intloff@soka.ac.jp

8. HAUTE ÉCOLE LOUVAIN EN HAINAUT – Z-WORKS

- A new Belgo-Japanese partnership between HELHa (BE) and Z-Works (JP) to be signed in Tokyo on 05 December 2022, during the visit of a Belgian Business and Academic delegation, in the presence of Princess Astrid of Belgium.

Haute École Louvain en Hainaut – HELHa is the largest University of Applied Sciences in Belgium – Wallonia, providing bachelor's and master's degrees in 7 different study areas of which the Department of Sciences and Technologies, with its engineering school, the Department of Nursing and Health Care and the Department of Agronomy are directly involved in this partnership with Z-Works.

Z-Works (Tokyo, Japan) is an IoT (Internet of Things) cloud platform company, providing smart health care solutions for staff, elderly and their families. Z-Works' cloud platform provides an IoT solution to make lives easier for seniors with activity limitations. It can be customized to accommodate different needs at care facilities, assisted living communities, and home care users. There are about 10 years of gap between actual life expectancy and disability-free life expectancy. Z-Works' primary goal is to remove this gap by the technology of Cloud and IoT, providing support for everyone to enjoy their life until the last moment.

With this Japanese context in mind, both institutions have agreed on cooperating in 2 main activities:

- Traineeships for engineering students (at Master level) and staff members from HELHa at Z-Works in Tokyo;
- Intermediary activity by HELHa and its Research Centre (CeREF) to find places and follow up the testing of Z-Works products in home care units or facilities in Belgium.

➤ **Websites:**

- <https://www.helha.be/>
- <https://www.z-works.co.jp/?lang=en>



➤ **Contacts:**

- Mr. DECLERCQ Philippe, Director-President, HAUTE ÉCOLE LOUVAIN EN HAINAUT, direction-presidence@helha.be
- Mr. TAKAHASHI Tatsuya, CEO, Z-WORKS, tatsuya@z-works.co.jp

9. ICHEC BRUSSELS MANAGEMENT SCHOOL - HIROSHIMA UNIVERSITY OF ECONOMICS

- Since 1954, ICHEC has been training its students to become responsible managers who are open to the world. We train our students to become responsible, open-minded managers. To accomplish this mission, our academic programs emphasize in-the-field connections with a rigorous approach informed by research.

Graduates gain the knowledge, skills and competencies required to embark on a process of lifelong learning.

The ICHEC spirit is founded on the values of respect, solidarity and integrity.

The pillars of its teaching are based on international openness, academic excellence, innovative pedagogy and business experience. Our long tradition of openness to social responsibility, sustainable development and equity is now institutionalized in a strategic plan of strong sustainability.

It is within this framework that ICHEC is privileging the signing of international agreements with partners who share the same mission and values.

The Hiroshima university's academic foundation is based on MEITOKU, the Confucian philosophy of "the purpose of higher education is to clarify one's real nature." It aims nurture the character and maturity of next generation leaders through deep thinking and cross-cultural empathy as well as to foster human resources that value the virtues of justice and hard work, and to foster dignity and responsibility in order to contribute to the development of society.

HUE provides for a social science education that includes the faculties of Economics, Business Administration, and Media Business. HUE welcomes ICHEC to the Network of International Business and Economics Schools (NIBES). As a network partner, we are grateful to have the opportunity to sign with ICHEC and look forward to a "harmonious" international Exchange of students and faculty.

➤ **Websites:**

- <https://www.ichec.be/fr>
- <https://www.hue.ac.jp/english/>

➤ **Contacts:**

- Ms. CHANOINE Brigitte, Rector, ICHEC BRUSSELS MANAGEMENT SCHOOL, Brigitte.chanoine@ichec.be
- Mr. HARADA George R., Director Center for International Education Exchange, HIROSHIMA UNIVERSITY OF ECONOMICS, g-harada@hue.ac.jp

10. ICHEC BRUSSELS MANAGEMENT SCHOOL - NAGOYA UNIVERSITY OF COMMERCE & BUSINESS

- Since 1954, ICHEC has been training its students to become responsible managers who are open to the world. We train our students to become responsible, open-minded managers. To accomplish this



mission, our academic programs emphasize in-the-field connections with a rigorous approach informed by research.

Graduates gain the knowledge, skills and competencies required to embark on a process of lifelong learning.

The ICHEC spirit is founded on the values of respect, solidarity and integrity. The pillars of its teaching are based on international openness, academic excellence, innovative pedagogy and business experience. Our long tradition of openness to social responsibility, sustainable development and equity is now institutionalized in a strategic plan of strong sustainability.

Since 1953, Nagoya University of Commerce & Business has been educating innovative and ethical leaders who possess a 'Frontier Spirit' and creating knowledge that advances business and society, in order to bridge the gap between New Asia and the rest of the world. To this end, our university has dedicated its efforts to encourage our students to acquire practical knowledge and skills with a global mindset.

This founding philosophy, 'Frontier Spirit', refers to the spirit of a person who never gives up and who, by acting in an original manner, seeks to benefit humanity, society, and the nation.

It is within this framework that both ICHEC and NUCB are privileging the signing of international agreements with partners who share the same mission and values.

➤ **Websites:**

- <https://www.ichec.be/fr>
- <https://www.nucba.ac.jp/en/>

➤ **Contacts:**

- Ms. CHANOINE Brigitte, Rector, ICHEC BRUSSELS MANAGEMENT SCHOOL,
Brigitte.chanoine@ichec.be
- Mr. KURIMOTO Hiroyuki, Chancellor, NAGOYA UNIVERSITY OF COMMERCE & BUSINESS,
hkurimoto@nucba.ac.jp

11. KU LEUVEN – TOKYO OF UNIVERSITY

- KU Leuven's Faculty of Law and Criminology and the University of Tokyo's Graduate School for Law and Politics are pleased to sign a bilateral student exchange agreement today. This student exchange agreement is the embodiment of a memorandum of understanding also concluded between both parties for a period of five years.

➤ **Websites:**

- <https://www.kuleuven.be/kuleuven>
- <https://www.u-tokyo.ac.jp/en/about/150ut.html>

➤ **Contacts:**

- Mr. SELS Luc, Rector, KU LEUVEN, luc.sels@kuleuven.be
- Mr. DEVROE Wouter, Dean of the Faculty of Law and Criminology, KU LEUVEN,
wouter.devroe@kuleuven.be



- Mr. YAMAMOTO Ryuji, Dean of the Graduate Schools for Law and Politics and the Faculty of Law, UNIVERSITY OF TOKYO, Yamamoto@j.u-tokyo.ac.jp

12. KU LEUVEN – WASEDA UNIVERSITY

- KU Leuven, within the framework of its Global Exchange Programme, is very pleased to be signing a student exchange agreement with Waseda University today. The Global Exchange Programme is a semester exchange programme that offers university-wide opportunities for Bachelor's and Master's students to travel to top universities around the world. The Programme is built on a common philosophy of research-based education and on an openness to innovative and sustainable approaches to student mobility.
- **Websites:**
 - <https://www.kuleuven.be/kuleuven>
 - <https://www.waseda.jp/top/en/>
- **Contacts:**
 - Mr. SELS Luc, Rector, KU LEUVEN, luc.sels@kuleuven.be
 - Mr. TANAKA Aiji, President, WASEDA UNIVERSITY, y.nakano@waseda.jp

13. SOLVAY S.A. – NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY

- N/A
- **Websites:**
 - www.solvay.com
 - https://www.aist.go.jp/index_en.html
- **Contacts:**
 - Mr. MÉTIVIER Pascal, Director; Science and Technology, R1I – S&T Management and Support, SOLVAY S.A., pascal.metivier@solvay.com
 - Mr. KATO Kazumi, Vice-President, Director of Innovative Human Resources Department NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY, kzm.kato@aist.go.jp

14. UNIVERSITÉ LIBRE DE BRUXELLES – WASEDA UNIVERSITY

- In order to further strengthen the cooperation between the Graduate School of Creative Science and Engineering, Waseda University, and the Faculty of Architecture of Université libre de Bruxelles has agreed to establish “Double degree program for the Master of Architecture” based upon the Memorandum on the Double Degree Program between Waseda and the Université libre de Bruxelles (ULB).

This agreement ensures that participating students will be conferred with academic degrees from both universities if they complete all the Program requirements.



In this framework each party may accept up to 2 graduate student(s) each year during the term of this Agreement.

Through this jointly designed programme during which they will follow courses sequentially in each of the two universities, participating students who fulfill the graduation requirements will receive academic degrees by each institution. The Degrees conferred are Master of Architecture or Master of Engineering in Waseda and Master of Architecture (Master en architecture) at ULB.

➤ **Websites:**

- <https://www.ulb.be/>
- <https://www.waseda.jp/top/en/>

➤ **Contacts:**

- Prof. SCHAUS Annemie, Rector, UNIVERSITÉ LIBRE DE BRUXELLES, ikram.sefiani@ulb.be
- Mr. ARIGA Takashi, Dean of the School of Creative Science and Engineering, WASEDA UNIVERSITY, tariga@waseda.jp

15. UNIVERSITY COLLEGE OF THE PROVINCE OF LIÈGE – YOKOHAMA NATIONAL UNIVERSITY

- Yohama National University and HEPL have been partners for 12 years. The bilateral agreement covers the following areas:
- Student exchange.
 - Exchange of teachers and administrative staff.
 - Cooperative research.
 - Exchange of academic information and communication material.

The exchanges are based on semester exchanges and allow students to take advantage of the same opportunities than the local students.

Students can take courses in English and in the national language.

➤ **Websites:**

- <https://www.hepl.be/fr>
- <https://www.ynu.ac.jp/english/>

➤ **Contacts:**

- Ms. LAPIERRE Annick, Director President, UNIVERSITY COLLEGE OF THE PROVINCE LIÈGE, annick.lapierre@hepl.be
- Prof. UMEHARA Izuru, Professor, YOKOHAMA NATIONAL UNIVERSITY, president-ume@ynu.ac.jp

16. UNIVERSITY OF ANTWERP – KEIO UNIVERSITY

- On 5 December 2022, on the occasion of the Belgian Economic Mission to Japan and in the presence of Her Highness Princess Astrid, the University of Antwerp and Keio University will sign a renewal of their current interinstitutional student exchange agreement, extending the term for a period of 5 years, until 2027. By signing this agreement, they wish to highlight the fruitful and constructive cooperation between the two institutions and develop this cooperation in the future.



➤ **Websites:**

- <https://www.uantwerpen.be/nl/>
- <https://www.keio.ac.jp/en/>

➤ **Contacts:**

- Mr. VAN GOETHEM Herman, Rector, UNIVERSITY OF ANTWERP, herman.vangoethem@uantwerpen.be
- Prof. TSUCHIYA Motohiro, Vice-President Global Engagement, KEIO UNIVERSITY vpintl@adst.keio.ac.jp

17. UNIVERSITY OF LIÈGE – TOKYO UNIVERSITY OF FOREIGN STUDIES

- This new academic collaboration will be beneficial for the both partner universities and strengthening their already existing international ties.

The partnership agreement between Tokyo University of Foreign Studies and the University of Liège enables the exchange of students and professors, and a co-organisation of international conferences and academic activities.

With Tokyo University of Foreign Studies as partner the University of Liege will continue to enhance its collaboration with Japanese Universities. This is very important in the field of student exchange, and in particular for the new Master program “China-Japan” of the Faculty of Philosophy and Letters which already benefits from collaborations with other universities of Japan.

➤ **Websites:**

- https://www.uliege.be/cms/c_8699436/en/uliege
- <http://www.tufs.ac.jp/english/>

➤ **Contacts:**

- Ms. NYSSSEN Anne-Sophie, Rector, UNIVERSITY OF LIÈGE, rectrice@uliege.be
- Ms. HAYASHI Kayoko, President, TOKYO UNIVERSITY OF FOREIGN STUDIES, intl-service@tufs.ac.jp

18. UNIVERSITY OF LIÈGE – UNIVERSITY OF TOKYO

- The University of Liège and the Graduate School of Humanities and Sociology of the University of Tokyo are pleased to sign an agreement setting up a scientific collaboration between the two institutions. The contract aims at developing joint scientific collaborations in the field of game and popular cultures studies

After different collaborations of researchers during the last years, a new step in this collaboration has been taken during the Game Jam jointly organized during the Economic mission, allowing Japanese and Belgian students to elaborate a video game from scratch, using all the skills and competences of the students and taking advantage of the variety of profiles of the students in a multicultural context.



➤ **Websites:**

- https://www.uliege.be/cms/c_8699436/en/uliege
- <https://www.u-tokyo.ac.jp/en/index.html>

➤ **Contacts:**

- Ms. NYSSSEN Anne-Sophie, Rector, UNIVERSITY OF LIÈGE, rectrice@uliege.be
- Mr. YOSHIDA Hiroshi, Professor, UNIVERSITY OF TOKYO hyoshida@l.u-tokyo.ac.jp

19. UNIVERSITY OF MONS – TOKYO METROPOLITAN UNIVERSITY

- For the past 5 years, the Tokyo Metropolitan University and the University of Mons have had a fruitful collaboration in the field of innovative surface treatment technologies. This collaboration was given support from the bilateral partnership FNRS and JSPS Postdoctoral Fellowship for Research in Japan. With this agreement, the partners wish to formalise this collaboration and thus strengthen scientific collaboration by opening up to other topics and allowing student exchanges for these next years.

Both institutions will cooperate in research by scientific publications, symposia, research conferences etc. Each institution will welcome students of the other institution for a short term study program and research visits.

➤ **Websites:**

- <https://web.umons.ac.be/fr/>
- <https://www.tmu.ac.jp/>

➤ **Contacts:**

- Mr. DUBOIS Philippe, Rector, UNIVERSITY OF MONS, Philippe.dubois@umons.ac.be
- Mr. OHASHI Takaya, President, TOKYO METROPOLITAN UNIVERSITY, partnerships@jmj.tmu.ac.jp

20. UNIVERSITY OF NAMUR – SOKA UNIVERSITY

- Today, the University of Namur and Soka University Namur have signed the renewal of a Memorandum of Understanding for academic cooperation and a Students and Staff Exchange Agreement.

The renewal of these agreements for a five-year period constitutes a new step in the consolidation of the ties between the two institutions and reflects their strong commitment to pursue the already existing fruitful collaborations.

➤ **Websites:**

- <https://www.unamur.be/>
- <https://www.soka.ac.jp/en/>

➤ **Contacts:**

- Ms. CASTIAUX Annick, Rector, UNIVERSITY OF NAMUR, Rectrice@unamur.be
- Prof. SUZUKI Masashi, President, SOKA UNIVERSITY, masuzuki@soka.ac.jp



21. UNIVERSITY OF NAMUR – SOPHIA UNIVERSITY

- Today, the University of Namur and Sophia University have signed the renewal of a Memorandum of Understanding for academic cooperation and a Student's Exchange Agreement.

The renewal of these agreements for a five-year period constitutes a new step in the consolidation of the ties between the two institutions and reflects their strong commitment to pursue the already existing fruitful collaborations.

- **Websites:**

- <https://www.unamur.be/>
- <https://www.sophia.ac.jp/eng/>

- **Contacts:**

- Ms. CASTIAUX Annick, Rector, UNIVERSITY OF NAMUR, Rectrice@unamur.be
- Mr. TERUMICHI Yoshiaki, President, SOPHIA UNIVERSITY, president@ml.sophia.ac.jp

22. VIVES UNIVERSITY OF APPLIED SCIENCES – TSURU UNIVERSITY

- Tsuru University and VIVES University of Applied Sciences will renew their Memorandum of Understanding and sign a more specific cooperation agreement at an official ceremony in Tokyo on December 5th 2022, in the presence of HRH Princess Astrid of Belgium, Representative of His Majesty the King of Belgium. The agreements, signed by Mr. Dr. Fujita, the President of Tsuru University and Mr. Joris Hindryckx, the President of VIVES University of Applied Sciences lay the foundation for cooperation in education and research. In recent years, there has already been active cooperation in terms of student and staff exchange in the fields of Education and Applied Social Work. Currently, five students from Tsuru University are following an exchange programme at VIVES and two lecturers from VIVES teach special lecturers at Tsuru University. This renewed agreement is another step towards a sustainable and intensive cooperation between the two higher education institutions.

- **Websites:**

- <https://www.vives.be/en/vives-international>
- <https://www.tsuru.ac.jp/>

- **Contacts:**

- Mr. HINDRYCKX Joris, President, VIVES UNIVERSITY OF APPLIED SCIENCES, joris.hindryckx@vives.be
- Dr. FUJITA Hidenori, President, TSURU UNIVERSITY, fujita@tsuru.ac.jp

23. VRIJE UNIVERSITEIT BRUSSEL – HAMAMATSU PHOTONICS K.K.

- Tokyo 5 December 2022. At the occasion of the Belgian Princely economic mission to Japan, Hamamatsu Photonics (Japan) and B-PHOT VUB (Belgium), the photonics research group of the Vrije Universiteit Brussel, signed an agreement to strengthen their collaborative endeavors in photonics research and innovation. Photonics is the science and technology that innovates with the unique



properties of light. It is a key digital technology responsible for applications such as ultrafast internet, microscopes and medical endoscopes, telescopes, solar panels, laser-based 3D printing, high-resolution cameras and displays, and LED based lighting. Photonics is radically transforming the traditional industrial base and is a key technology essential to the functioning of new applications which are powering Industry 4.0 and which are also critical to our ability to fundamentally address the enormous global societal and environmental challenges of our times because it enables energy efficient and sustainable production methods. Photonics technologies are being used to create and launch exciting new products in wide-ranging end-user application domains such as Health, Digital Infrastructure, Manufacturing, Safety, Security, Space, Agro-Food, Mobility & Energy.

➤ **Websites:**

- <https://www.vub.be/en>
- https://www.hamamatsu.com/jp/en/product/life-science-and-medical-systems.html?nfxsid=CjwKCAjwzY2bBhB6EiwAPpUpZgKiEdpJt-PQX0v4mf72J6HcE4bDfHsf08BsgfigoZitCPBFoYc61BoCHEEQAvD_BwE&nfxsid=6363bfafa7b4b1667481519&nfxcgid=1&gclid=CjwKCAjwzY2bBhB6EiwAPpUpZgKiEdpJt-PQX0v4mf72J6HcE4bDfHsf08BsgfigoZitCPBFoYc61BoCHEEQAvD_BwE

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- Mr. HIRUMA Akira, Representative Director and President, CEO, HAMAMATSU PHOTONICS K.K., ahiruma@hq.hpk.co.jp