



International Workshop on Ethical Policy, Science and Technology

31 October – 1 November 2017

KAIST

Daejeon, Republic of Korea

Local Organizers

Professor Jeong-Ro Yoon (Former Dean of College of Liberal Arts and Convergence Sciences, KAIST) and Professor So Young Kim (Head of the Graduate School of Science and Technology Policy, KAIST)

Co-organizer

Professor Darryl Macer, President, American University of Sovereign Nations (AUSN), Arizona, USA; in cooperation with Youth's UNESCO Club, Nepal; Eubios Ethics Institute, New Zealand, Japan and Thailand; and United Nations Academic Impact.

Email to: Professor Darryl Macer (Darryl@eubios.info)



31st October (Tuesday)

9:00 – 17:00: Intensive Ethics of Science and Technology and Policy Training Workshop

This all day workshop is open to all persons. Participants do not need to join the entire workshop, we welcome persons to come to selected parts depending on their schedule. This informal workshop will be led by faculty who have been involved in the development of national and international laws over the past 30 years in the fields of ethics of science and technology, as well as youth activists who are involved in shaping science and technology, and environment policy around the world. Come to learn how you may become an agent of change using your inherent skills and education to make our world better!

Learning Objectives:

- 1) Participants will be more effective in contributing to the research-policy nexus in setting ethical public policy
- 2) Sharing up-dated examples of ethics of science and technology
- 3) Networking
- 4) Discussion of life goals and international study opportunities



Morning Session 9:00-12:00

Bioethics Principles, Moral Agents, Research Ethics and Ethics Oversight - Prof. Darryl Macer, President, American University of Sovereign Nations (AUSN); former UNESCO Regional Adviser for Asia and the Pacific

Ethics in Science and Research - Tsuyoshi Sotoya, Hitotsubashi University, Japan

Youth Peace Ambassadors and How Youth can Lead Social Development – Rimesh Khanal, Bibek Adhikari, Youth's UNESCO Club, Nepal; and Darryl Macer, Director, Eubios Ethics Institute, New Zealand, Japan and Thailand

Lunch (Cafeteria eating together)

Afternoon Session 13:00-17:00

BioScience Ethics and Teaching Strategies from Pre-School to Adults - Dr. Irina Pollard, Macquarie University, Australia

Examples of Current Discussions in the United Nations Human Rights Council - Prof. Jasdev Rai Singh, Chair, Sikh Human Rights Group, London, England; AUSN Clinical Professor in Human Rights

International Environmental Ethics, Law and Practice - Prof. Darryl Macer, President, American University of Sovereign Nations (AUSN); and Prof. Jasdev Rai Singh, Chair, Sikh Human Rights Group, London, England; AUSN Clinical Professor in Human Rights

18:00-20:00 Welcome Dinner

Welcome Remarks – Prof. Jeong-Ro Yoon (Former Dean of College of Liberal Arts and Convergence Sciences, KAIST)

1st November (Wednesday)

10:00-12:00 Session I: Nurturing Talents for Global Challenges

- *Youth's UNESCO Club and its Work in Nepal* – Rimesh Khanal, President, Youth's UNESCO Club, Bangladesh)
- *Global Redistribution of Scientific Resources: Management of Scientific Talents and Natural Resources at the Global Level in the 21st Century* – Yeseul Kim, Graduate School of S&T Policy, KAIST
- *Dental Dilemmas in Oral Health Care* – Dr. Rawfun Nahar, Tooth Fairy Dental Foundation, Bangladesh



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- *Policies for Empowering Female ICT Workers in Developing Countries in the Fourth Industrial Revolution* – Moonju Lee, Department of Chemistry, KAIST
 - *Youths involvement in Disaster Management in Nepal* – Bibek Adhikari, General Secretary, Youth's UNESCO Club, Kathmandu, Nepal

12:00-13:00 Lunch (Lunchboxes)

13:00-15:30 Session II: S&T and Global Challenges I

- *Do Countries Actually Support the Research-Policy Nexus?* – Prof. Darryl Macer, President, American University of Sovereign Nations (AUSN); former UNESCO Regional Adviser for Asia and the Pacific
- *The role of NGOs in Promotion of Human Rights and Environmental Sustainability in Practice in the United Nations* – Prof. Jasdev Rai Singh, Chair, Sikh Human Rights Group, London, England; AUSN Clinical Professor in Human Rights
- *International Perspectives on Human Reproductive Biology Across the Generations (Group Work)* - Dr. Irina Pollard, Macquarie University, Australia; ABA Vice President for the Pacific; AUSN Visiting Professor in Life Science Ethics and Reproduction

15:30-15:45 Coffee Break

15:45-17:00 Session III: S&T and Global Challenges II

- *The Linkages of Bioethics, Public Health Ethics and Environmental Ethics* - Prof. Darryl Macer, President, American University of Sovereign Nations
- *Ensuring the Integrity of Science in the Age of Digital Image Processing* – Joon Gyu Kim, Graduate School of S&T Policy, KAIST

17:30-19:00 Farewell Dinner

Farewell Remarks – Prof. So Young Kim (Head of the Graduate School of Science and Technology Policy, KAIST)

Faculty Profiles

Darryl R.J. Macer, Ph.D., Hon.D. (New Zealand)

President, American University of Sovereign Nations (AUSN), USA. Professor of Bioethics and Biomedicine. Former UNESCO Regional Advisor on Social and Human Sciences in Asia and the Pacific; and former Professor at University of Tsukuba, Japan. He is also currently Affiliated Professor in Philosophy at Kumamoto University, Japan; Founding Director, Eubios Ethics Institute, Japan, New Zealand and Thailand (<http://www.eubios.info>). He has a Ph.D. in Biochemistry at the MRC Laboratory of Molecular Biology, and Trinity College, University of Cambridge, U.K., 1987; and was awarded an Honorary Doctorate in Philosophy from Kumamoto University, Japan in 2009. He has since worked in UK, New Zealand, Italy, Japan, Thailand and USA; and is a member of many international bioethics committees. He has published 20 authored books, 30 edited books, and 300 academic papers.



Dr. Jasdev Singh Rai (England) (jasdevrai@yahoo.com)

Jasdev is a practicing physician with Speciality in Doctor in Otolaryngology at Medway Maritime Hospital, England and AUSN Clinical Professor in Human Rights. He has a MBChB from University of Liverpool, Liverpool, United Kingdom in 1980. He has a MA in politics from University of London, London, United Kingdom. Since 1988 he has been Director, Sikh Human Rights Group, London, United Kingdom, which is a ECOSOC registered NGO at the United Nations. He is most active in the United Nations Human Rights Council and UNESCO, but has experience in international human rights advocacy, environmental protection and law development for thirty years. He was also a member of the UK Faith Communities Consultative Council, United Kingdom; and is a former Vice-President of the Asian

Bioethics Association. He has published widely in journals and books.

Dr. Irina Pollard, Ph.D. (Australia) (irina.pollard@mq.edu.au)

Irina is a biologist with a B.Sc. and Ph.D. and special expertise in stress physiology, reproduction, developmental toxicology, environmental ethics and bioethics. She has also initiated and developed new ways of communicating science described as bioscience ethics. Bioscience ethics is an unencumbered secular means that facilitates free and accurate information transfer from applied science to applied bioethics. Pioneered by Irina, bioscience ethics has become an internationally recognized discipline, interfacing science and bioethics within professional



perspectives such as medical, legal, bioengineering and economics. She is author of more than 100 research articles in international refereed journals, three books written for students and the general community, several contributions in edited books and numerous popular articles written for the media, conference proceedings and so on.

Her chief academic contributions are in the area of lifestyle and environmental stresses and their effects on reproductive capacity, development and long-term health across the generations. These major topics are reviewed in her student text book '*Bioscience Ethics*' (Cambridge University Press, 2009). Her course *Bioscience-BioEthics International* features in the Bioethics Core Curriculum and as Australia's Unit Head of the International Network of the UNESCO Chair in Bioethics (Haifa). These and other openings provide her with welcome opportunities to present popular seminars, lectures and workshops as visiting scientist at local and international institutions.

Irina is also founding member of the Bioscience-Bioethics Friendship Co-operative (BBFC) web portal which is freely accessible at <http://www.bioscience-bioethics.org/>. This portal provides admittance to educational materials in the area of stress physiology, reproduction, toxicology-teratology, environmental ethics, and access to other useful links for those interested in bioscience and bioethics.

Mr. Tsuyoshi Sotoya (Japan) (sotti244@gmail.com)

Tsuyoshi is a motivated individual with a M. Social Science from Hitotsubashi University, Tokyo, where he is an Instructor. He is a graduate from the Erasmus Mundus Advanced Master's degree in Bioethics, Katholik University of Leuven, Belgium. His B.A in Human Sciences from Waseda University. His research includes the ethical issues of donor insemination from the perspective of donor-conceived offspring. He is also a UNESCO Youth Peace Ambassador (YPA) and Looking Beyond Disaster Ambassador (LBD) has been engaged in peace activities in Japan, and other countries.



Speaker profiles

Mr. Bibek Adhikari (Nepal) (adhikaribibec@gmail.com) Facebook: www.facebook.com/Bibek1991

Founder/General Secretary of Youth's UNESCO Club Nepal and involved in organizing the international youth peace and disaster resilience workshops in Nepal and other countries. Treasurer of UNEP-NTYEN (Nepal Tunza Youth Environment Network). UNESCO Youth Peace Ambassador and Youth Looking Beyond Disaster Ambassador. Has a BSc in Science and Geology from Nepal and a Masters in Bioethics and Global Public Health (MBGPH) from American University of Sovereign Nations (AUSN). Involved in Social work and serves people without any greed, and that is why he started an NGO with friends who work in the field of peace and disaster management.





Mr. Rimesh Khanal (Nepal) (rimesh909@gmail.com)

Facebook: www.facebook.com/rimesh.khanal

President of Youth's UNESCO Club, Nepal, Non-profit organization. Member of Board of Governors of AUSN. Has a Bachelor in Business Studies, Tribhuvan University, Nepal; and Master in Bioethics and Global Public Health from American University of Sovereign Nations (AUSN). Thesis topic: *Comparison of Ethical Values of Children and Youth in Nepal and Mexico*. UNESCO Youth Peace Ambassador and Youth Looking Beyond Disaster Ambassador. Co-organizer of workshops and conferences in Nepal, USA, and other countries to inspire many new leaders.

Ms. Moonju Lee (Korea) (lmooonju@kaist.ac.kr)

Undergraduate student in the Department of Chemistry at KAIST, South Korea. She is also a minor student in the Department of STP, where she is currently conducting an undergraduate research project under Professor Moon Choi. She is interested in learning about women's ICT training initiatives in developing countries with regards to the Fourth Industrial Revolution.



Dr. Rawfun Nahar Era (Bangladesh) (dr.era2511@gmail.com)

Working as a 'Dental Surgeon' in 'The Royal Dental Clinic', Uttara; and Assistant Secretary (MIS) in 'Tooth Fairy Dental Foundation'. Has a Bachelor of Dental Surgery (BDS) from Pioneer Dental College, Bangladesh and is currently enrolled in the Master in Public Health (MPH) from American University of Sovereign Nations (AUSN). Her Career Objective is to work in an environment where there are opportunities of self-assessment and self-improvement in both individual and group based work that will ultimately lead to further development of the people.

Participants should add some brief bio words and email to Darryl@eubios.info

Registration is FREE, but we would appreciate you to send an email to: Dr Darryl Macer (Email: Darryl@eubios.info)



Local Contact

Name	Role	Contact
Su-yeon Ahn (Ms.)	Administrative support	syahn@kaist.ac.kr (82-42-350-4843)
Joo-Sang Park (Mr.)	Program coordination	joo-sang.park@kaist.ac.kr

Background

Education is one proven way to empower people to succeed, if it challenges people to actually do something to make the world better. Every three seconds someone dies in the world as a result of bad policy decisions. Despite the good intentions and efforts of many, the leaders across many communities and in the world seem to fail to deliver evidence-based policy. The participants will be introduced to advanced social and natural science to assist in the inculcation of their knowledge learned through universities to policy an practical challenges facing the world.

American University of Sovereign Nations (AUSN) is a registered 501c3 tax-exempt educational institution, founded and operating on Native American Indian land in Arizona. We celebrate learning from every culture! AUSN has over 30 cooperation agreements with Universities and Academic Centers of Excellence around the world, is a registered member of **United Nations Academic Impact**, and provides educational, community led social and environmental development around the globe to communities all across the globe.

The AUSN Masters in Bioethics and Global Public Health (MBGPH) program is an innovative bioethics graduate program started in 2014, which has the highest student population of any Masters in Bioethics program globally. The PhD in Bioethics, Sustainability and Global Public Health program launched in 2016 similarly is now the largest PhD bioethics program in the world. Faculty come from all around the world, and are global thought leaders, dedicated to a transformation of the quality of teaching and research in bioethics globally with a decolonised approach to wisdom.

Attendance at the workshop will be credited as **1 credit hour** (15 contact hours) for the graduate education. There will be sightseeing and field trips on 30 October and 2 November.

Note: Public transportation from Daejeon to Incheon International Airport is frequently available (Won 23,100/person), and to Seoul several times an hour.