

CAMPUS *mundi*

#94

Edinburgh Castle is a historic castle in the city of Edinburgh, capital of Scotland. It stands on Castle Rock, which has been occupied by humans since at least the Iron Age, although the nature of the early settlement is unclear.

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**AIU News + Essays + Education + Culture + Science +
Technology + Art + Design + Body + Mind + Spirit + Environment
+ Human Rights + Retail Management + About AIU**

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Campus Mundi
MY AIU MAGAZINE
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choose
the contents
of this magazine
with you
in mind
—to inspire you
and make you
think

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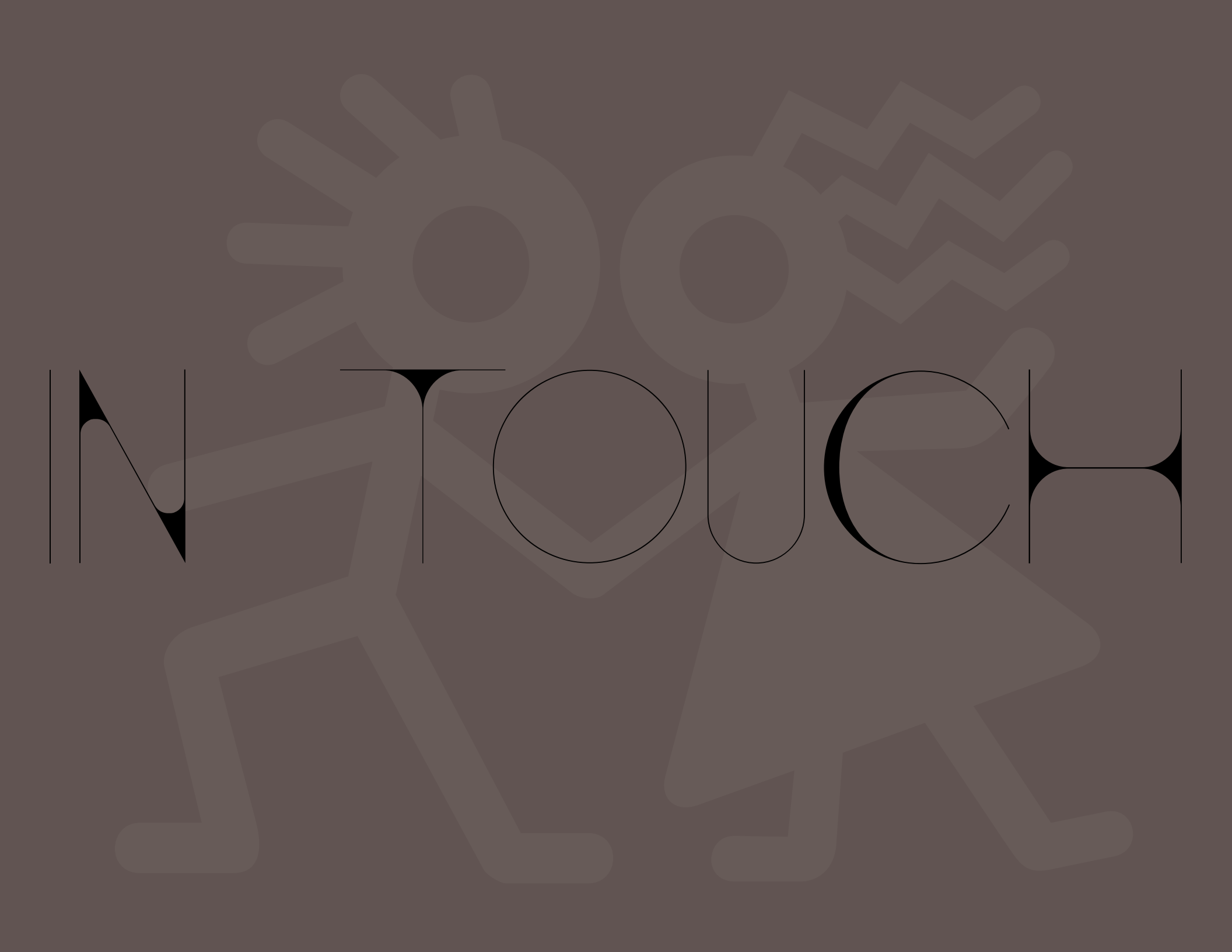
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INTOUCH

Participation in conference



JULY 22, 2021. One of our Academic Advisors, **Dr. Mohammad Shahidul Islam,**

participated in the International Conference on **Energy, Environmental and Chemical Engineering**, Jul 15-16, 2021 in Stockholm, Sweden.

The conference participation was sponsored by AIU and his presentation topic, which received the best presentation

award, was "Optimization of factors effecting ozonolysis of Endocrine Disruption Chemicals (EDCs) studied by sparger influence to minimize ozone consumption".

Contents

- 1) Endocrine disruption chemicals (EDCs)
- 2) Schematic diagram of ozonolysis technique
- 3) Reaction mechanism
- 4) Experimental data for the ozonolysis of edcs
- 5) Experimental results and

theoretical validation
6) Conclusions

Conclusions

Considering cost effectiveness, optimized process variables for diclofenac sodium ozonolysis are:

- 1) Initial TOC concentration below 10 ppm,
- 2) Temperature 30°C, and
- 3) Sparger size capable of generating 0.5mm diameter fine bubbles.

We are very proud of you Dr. Mohammad Shahidul Islam!

Speaker at forum



JULY 28, 2021. One of our graduates, **Dr. Sivarajasingam Mahendran,** was invited to speak in

a virtual forum on Mental Health for the University of Technology, Jamaica on the 26th of July.

Dr. Sivarajasingam is the

Managing Director and his topic was, "Uniphimatrix Educational and Counseling Service, South East Singapore". They were expecting up to 500 on a first come first serve basis from all over the world to attend the online forum.

Dr. Sivarajasingam Mahendran has completed a Doctorate program in Education at **Atlantic International University**.

Thesis defense

Remastered book published

AUGUST 3, 2021. One of our graduates, **Lucila Del Rosario**, has published her book with **Omiamerica Productions** titled, "Examining VITA vs. Periods of Disorders, Diseases & Death Post 2020 (Remastered and Full Color Illustrated)".

Summary: The book "E+VITA vs PDDD" can be combined with socio-cultural educational orientation, family and/or individual counseling or group therapy, to collaborate with the new challenges that psychotherapist, psychiatry, psychologist, teachers, social



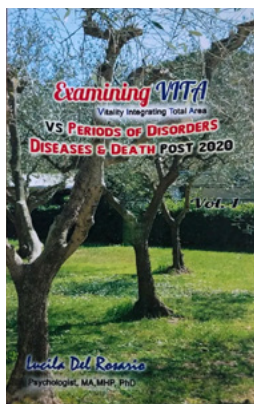
worker, lawyers or any health professionals want to achieve, according to the new expectations in the clinical intervention, doing their progress

notes and follow up current interdisciplinary scientific models to fight the multiple issues that affect life patterns and integrated health of everyone at this time regardless of gender, age, race, status or beliefs.

Find the book here: <https://omiamericaproductions.com/shop/ols/products/examining-vita-vs-periods-of-disorders-diseases-death-post-2020-color-edition>

2020-color-edition

Lucila Del Rosario has completed a Doctorate program in Human Development Psychology at **Atlantic International University**.



JULY 23, 2021. **Atlantic International University** is delighted once again to share the Thesis Defense of one of our students, **Janak Shah**.

Janak recently presented his thesis defense which was graded with an A. His thesis was titled, "Impact of Privatization in Nepal".

Abstract: Has privatization worked? There is now sufficient empirical evidence available to seriously address this question. This study draws together substantial evidence and analysis of the experience of privatization programmes in practice since 1990.



Therefore, the purpose of this thesis is to evaluate the early attempts towards privatization of public enterprises with special contextual reference of Nepal. The

study has assessed the privatization programme critically and explored mixed impacts of privatization with reference to selected enterprises. This thesis has been concluded with some recommendations regarding privatization programme of Nepal.

Janak Shah completed a Doctorate program with a major in Privatization Management at **Atlantic International University**.

Thesis published

AUGUST 12, 2021. One of our graduates, **Enow Vivian Ayamba**, recently published her thesis into a book with MoreBooks! titled, *“Developmental disabilities (autism): comprehensive guide for nurses, midwives and special educators. First edition, vol 1”*.

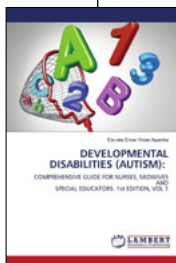


challenges faced by parents and their children with DDs particularly, autism. Chapter two describes the four categories of DDs, presents the history of ...

Find her book here: <https://www.morebooks.de/store/gb/book/developmental-disabilities-autism/>

isbn/978-620-3-85596-8

Enow Vivian Ayamba completed a Post-Doc-torate program with a major in Developmental Disabilities (Autism) at Atlantic International University.



Abstract: Chapter one presents a synopsis of developmental disabilities (DDs); it looks at the history, prevalence, causes, manifestations, treatment options and

Graduated with Distinction

AUGUST, 2021. These graduate students completed their program with a high cumulative grade point average, which reflects the quality of performance within their respective major. **Congratulations!**



DISTINCTION

Luis Alejandro Vázquez Vázquez

Doctor of Legal Studies
INTERNATIONAL LEGAL STUDIES



DISTINCTION

Koh Yam Nwang

Bachelor of Management
MANAGEMENT



DISTINCTION

Million Abraha

Doctor of Science
EPIDEMIOLOGY AND PUBLIC HEALTH

Thesis defense



AUGUST 6, 2021. Atlantic International University is delighted once again

to share the Thesis Defense of one of our students, **Hannah Wanjuhi Ticha**.

Hannah recently presented her thesis defense which was graded with an A. Her thesis was titled, *“Assessment of online and telephone counselling services during Covid*

19 pandemic: Challenges and recommendations for counselling services providers in kenya: a case of selected counties.”

Abstract: The study sought to carry out an Assessment of online and telephone counselling services during Covid-19 pandemic, establishing challenges and recommendations for counselling services based on three counties: Nairobi, Kiambu and Nakuru in Kenya. These counties were the most affected by the containment

measures. Invasion of Covid-19, in the whole world forced structural changes in the whole spheres of life to curb the spread. The measures included physical distancing, avoidance of handshakes and putting on face masks. Counselling engagements requires a relatively close proximity. Online counselling then remained the option.

Therefore, it was necessary to assess the online counselling service provision.

Hannah Wanjuhi Ticha completed a Doctorate program with a major in Counselling Psychology at AIU.

Commencement address

AUGUST 10, 2021. Atlantic International University



wants to congratulate our Admissions Counselor **Gordon Esses. Gordon**

had the honor and privilege of giving the commencement address for their graduation class of **Early World Daycare**, Elementary and Junior High School. Paynesville Liberia.



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Latest News: www.aiu.edu/news.aspx

News Archive: aiu.edu/aiu2016/DownloadCenter.html

Graduates of the month

Image: www.bbc.com

AUGUST 2021

Kaelo Silas
BACHELOR OF PROJECT MANAGEMENT
PROJECT MANAGEMENT
BOTSWANA

Ngouemeta Yvonne
DOCTOR OF PHILOSOPHY
INFORMATION SYSTEMS MANAGEMENT
CAMEROON

Maria Rosa Moreno Quintas
MASTER OF BUSINESS ADMINISTRATION
STRATEGIC PLANNING AND PERFORMANCE MGMT
CANADA

Daniel Christopher Andreae
DOCTOR OF PHILOSOPHY
HEALTH BIOLOGY
CANADA

Verónica del Carmen Barraza Riquelme
DOCTOR OF EDUCATION
EDUCATION
CHILE

Mercedes Ramos
BACHELOR OF HISPANIC LITERATURE
HISPANIC LITERATURE
CHILE

Claudia Alejandra Valderrama Hidalgo
DOCTOR OF BUSINESS ADMINISTRATION
STRATEGIC MANAGEMENT
CHILE

Mario Andrés Aristizábal Gallego
MASTER OF SCIENCE
POLITICAL SCIENCE
COLOMBIA

Kasanda Danyela Idris
MASTER OF SCIENCE
PROJECT MANAGEMENT
CONGO

Aneidis Sánchez Alcántara
BACHELOR OF SCIENCE
ENGINEERING ELECTROMECHANICS
DOMINICAN REPUBLIC

Eredia Del Carmen Corona Espinal
BACHELOR OF BUSINESS ADMINISTRATION
BUSINESS IN COSMETOLOGY
DOMINICAN REPUBLIC

Humberto Brito Arias
BACHELOR OF INTERNATIONAL BUSINESS
INTERNATIONAL BUSINESS
DOMINICAN REPUBLIC

Maria Fernanda Simisterra Quiñonez
BACHELOR OF EDUCATION
PHYSICAL EDUCATION, HEALTH & SPORT SCIENCE
ECUADOR

Cabanilla Alvarado Freda Marlene
DOCTOR OF EDUCATION
EDUCATION
ECUADOR

Manuela Malo Pérez
BACHELOR OF SCIENCE
NUTRITION
ECUADOR

Florence Teiko Moncar Vanderpuye
DOCTOR OF EDUCATION
EDUCATION AND HUMAN BEHAVIOR
GHANA

Dorian Rolando Pop Sandoval
BACHELOR OF SCIENCE
PSYCHOLOGY
GUATEMALA

Sebastiano Marco Lunardon
DOCTOR OF PHILOSOPHY
DEVELOPMENT ECONOMICS
ITALY

James Kamau Murango
MASTER OF SCIENCE
MINING
KENYA

James Billy Rugiirihereh Runaku
DOCTOR OF PHILOSOPHY
HISTORY
KENYA

Joseph Maundu
DOCTOR OF BUSINESS ADMINISTRATION
BUSINESS ADMINISTRATION
KENYA

Nebo Ambrues Monboe
DOCTOR OF SOCIOLOGY
SOCIOLOGY
LIBERIA

This month we have graduates from: Botswana · Cameroon · Canada · Chile · Colombia · Congo · Dominican Republic · Ecuador · Ghana · Guatemala · Italy · Kenya · Liberia · Malawi · Mali · Mexico · Mozambique ·

Rumours Harawa Lumala
MASTER OF SCIENCE
PUBLIC HEALTH
MALAWI

Alou Coulibaly
MASTER OF SCIENCE
MINING ENGINEERING
MALI

Luis Alejandro Vázquez Vázquez
DOCTOR OF LEGAL STUDIES
INTERNATIONAL LEGAL STUDIES
MEXICO

James Gerard Mc Cabe
BACHELOR OF SCIENCE
PSYCHOLOGY
MEXICO

Amado Rubén Guinto Herrera
DOCTOR OF BUSINESS ADMINISTRATION
BUSINESS ADMINISTRATION
MEXICO

Munyaradzi Mushore
BACHELOR OF MANAGEMENT
PROJECT MANAGEMENT
MOZAMBIQUE

Janak Raj Shah
DOCTOR OF PHILOSOPHY
PRIVATIZATION MANAGEMENT
NEPAL

Adeola Adesola Essien
DOCTOR OF PHILOSOPHY
ENTREPRENEURSHIP, RESEARCH AND BUSINESS MGMT
NIGERIA

Godwin Akoh
DOCTOR OF PHILOSOPHY
ORGANIZATIONAL BEHAVIOR MANAGEMENT
NIGERIA

Olawale Olajide Solomon
BACHELOR OF SCIENCE
INFORMATION TECHNOLOGY
NIGERIA

Glory Bamiji
BACHELOR OF ARTS
BUSINESS MANAGEMENT
NIGERIA

Olusegun Akintayo
BACHELOR OF SCIENCE
COMPUTER SCIENCE
NIGERIA

Inemi Erete Stephen
MASTER OF SCIENCE
BEHAVIORAL ECONOMICS
NIGERIA

Lourdes Y. Del Rosario Q.
DOCTOR OF HEALTHCARE ADMINISTRATION
HEALTHCARE ADMINISTRATION
PANAMA

Berle Estalin Briones Llamoctanta
BACHELOR OF INTERNATIONAL BUSINESS
INTERNATIONAL BUSINESS
PERU

Roberto Rene Ramirez Bengoa
POST-DOCTORATE OF PSYCHOLOGY
PSYCHOLOGY
PERU

Reynaldo, Chipana Oscro
BACHELOR OF SECONDARY EDUCATION
BIOLOGY AND CHEMISTRY
PERU

Antulio Navarro Ciar
BACHELOR OF SCIENCE
MECHANICAL ENGINEERING
PHILIPPINES

Demiana Nausi Kumoru
MASTER OF SOCIAL WORK
GENDER, SOCIAL ISSUES AND SOCIAL JUSTICE
REPUBLIC MARSHALL ISLANDS

Mohammed Saleh Hassan Alharbi
BACHELOR OF BUSINESS ADMINISTRATION
BUSINESS ADMINISTRATION
SAUDI ARABIA

Koh Yam Nwang
BACHELOR OF MANAGEMENT
MANAGEMENT
SINGAPORE

Million Abraha
DOCTOR OF SCIENCE
EPIDEMIOLOGY AND PUBLIC HEALTH
SWITZERLAND

Philbert Boniphas Nyangwe
MASTER OF SCIENCE
CIVIL ENGINEERING
TANZANIA

Natasha M Hunter
ASSOCIATE OF OCCUPATIONAL THERAPIST
HEALTH SCIENCE EDUCATION
TRINIDAD AND TOBAGO

Ronald Kawuma
BACHELOR OF SCIENCE
QUANTITY SURVEYING
UGANDA

Gamusi John
MASTER OF SCIENCE
PLANT BREEDING AND GENETICS
UGANDA

Usman Muhammad Javed
DOCTOR OF SCIENCE
INTERNATIONAL RELATIONS
UNITED KINGDOM

Alisha Janelle Brookes
BACHELOR OF SCIENCE
EDUCATION
USA

Antonio Morales Gutiérrez
BACHELOR OF SCIENCE
NUTRITION AND NATURAL HEALTH
USA

Rayon Anthony Mcfarlane
DOCTOR OF PHILOSOPHY
ALTERNATIVE ENERGY
USA

Okoya Olamide Abiola
BACHELOR OF BUSINESS ADMINISTRATION
BUSINESS MANAGEMENT
USA

Monovi Sauma Amani
DOCTOR OF FINANCIAL MANAGEMENT
LEADERSHIP AND GOVERNANCE
VANUATU

Ernest Mutale Mwila
DOCTOR OF PSYCHOLOGY
COUNSELING
ZAMBIA

Elaine Rhiann Johnstone
BACHELOR OF EDUCATION
EDUCATION
ZIMBABWE

Lloyd Pararai Fende
POST-DOCTORATE OF BUSINESS ADMINISTRATION
PROJECT MANAGEMENT
ZIMBABWE

Mazambani Jireh J
MASTER OF COMMERCE
ACTUARIAL SCIENCE AND FINANCE
ZIMBABWE



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FIND MORE TESTIMONIALS FROM AIU STUDENTS HERE: www.aiu.edu/Testimonials.aspx

Ojo Emmanuel Ademola
Doctor of Cyber Security
July 16, 2021

“I, Professor Ojo Emmanuel Ademola, at this moment stated that my experience as a Doctoral Student of **Atlantic International University** is simply exemplary. I mean, starting from the support I received from my Admission Counselor, Tutor, Academic Advisor, Thesis Defense Advisors to the finance office, student services, Graduation Advisor, and much more; overall, my experience is excellent!!!

I am so glad to successfully pursue my PhD Cyber Security with this exemplary University.



Kevin Cornette
Master of Business Management
July 23, 2021

“Atlantic International University (AIU) creates an atmosphere that is conducive for learning, although it is done virtually. Prior to me

embarking on my journey of the completion of my Master's Degree in Business Management, I hadn't any idea as to what Program I wanted to pursue or even how I would've performed when I started the program because my prior knowledge of Master's Degree is challenging. When I actually got started, the **AIU** Tutors and **AIU** Website made the experience one to remember and ultimately, learning a breeze.

The experience at **Atlantic International University (AIU)**:

- Enabled me to be a better and A1 Leader
- Sharpened my Management Skills
- Enabled me to gain competitive advantage over my peers
- I developed the confidence needed to express myself in any situation
- My effective communication skills were improved
- The program placed me on a path to fully maximize my potential
- The completion of the program placed my one step closer to the accomplishment of a work goal, that is, becoming a Chief Executive of my company

Being a student of the **Atlantic International University (AIU)** also allowed me to develop a wider perspective of life and learning. The quality of education I gained was top tier due to the University's sustainable education design which does not limit the student but places us in a position to choose paths that are relevant to us and our goals.

In conclusion, it was a great experience and I am truly proud of myself on the accomplishment of my Master's Degree in Business Management with Honors, Cum Laude.



Victor Obimma
Doctor of Project Management
July 13, 2021

“Atlantic international university sees acquiring knowledge as a human right for all because through education one is enabled to develop and acquire a set of capabilities to lead ones lives in a meaningful and fulfilling way. Hence, the university encourages students to look at the larger aspects of what one tends to achieve at the end of the day. I have never come across an institution that gives such a resounding encouragement to their students as **AIU**. Even when I am finding it very difficult to cope with my work time and studies, I was assisted by my academic advisor to find a way out of this. I was not also thrown out of class because I did not pay my tuition fee as the university have an excellent payment approach.

I have an excellent and wonderful experience with **Atlantic International University**.



Antulio Navarro Ciar
Bachelor of Mechanical Engineering
July 30, 2021

“In today's society, online courses are widely used in colleges, universities and graduate schools. For me having a full time job, taking up online courses at Atlantic International University helps me a lot. The use of online courses at **AIU** for a working person like me has made my life easier. I was able to manage my time working while studying. I have learned that to be a distance learner, you have to be self-disciplined and able to work well on your own. I was able to communicate well with the instructors whenever I have questions about certain topic.

During my online courses at **AIU** I was able to widen my knowledge on the course I was taking. It helps me big time on my current job I have right now. Though sometimes I have experienced some problems but still I was able to manage all those problems I have encountered with the help of my instructors and finally finished my course. To summarize all this in my experience with **AIU** online course the good things outweigh the bad ones. **AIU** online course fits my lifestyle and ...

Read full text: <https://www.aiu.edu/Testimonialdetail.html?ItemID=1748&rcid=73&pcid=63&cid=73>

The life of a seafarer a post covid-19 strategy

Capt. Paul Mandela Ogoun | Doctorate in Transportation & Logistics | Part 1/2



them to adopt and adapt to coping strategies which aids them to manage and deal with issues relating but not limited depression, loneliness, fears, anxiety, helplessness, etc.

Though, Covid-19 had impacts and implications on both macro and micro sectors of the economy across the globe; it is evidently observed that Covid-19 had its strokes on seafarers a great extent perhaps owing to the nature of their jobs. It is the basis of the foregoing that the study proposed salient and effective post Covid-19 strategy which may be applied in the life of a seafarer. The aim of this study is to make an overview of the life of a seafarer and post Covid-19 strategy. By conducting the study, the study discusses the meaning of a seafarer, the job descriptions and the post Covid-19 strategy in respect to the life of a seafarer. The applicable methodology for the study is a desk review research which allows the researchers to make use of existing literatures in order to attain the aim of the study.

Introduction

Arguments have arisen as to the job description of seafarers —arguing whether seafarers as a term in the field of maritime and international laws of the sea should be defined in line with their functions, place of

functions and timings of the functions. But the strongest arguments tend to be issues of place of functions —arguing whether seafarers works on board ship while at sea or while at port; and the prevailing argument is that seafarers

works on board a ship while at the sea. It follows that the point of services of a seafarer is a key term in defining who a seafarer is; therefrom a seafarer carries out ship-related services while on board a ship at sea and not at the

port. Generally, there are tons of activities which seafarers are adorned to do which in most cases deny the seafarers ample opportunities of being with family, friends and relatives for a usual period of time; thereby compelling

Meaning of Seafarer

A seafarer is a person employed by a ship owner for the purpose of handling shipping related services while on board a ship at sea. A seafarer takes part in the operations

and maintenance of the ship extending to the provisioning of persons boarding the ship. A seafarer is a person who carries out functions like repairs, maintenance and other general services not limited to cleaning, catering, etc. while on board a ship at sea¹.

It has been argued whether the point of services is a key term in defining who a seafarer is; the prevailing rationale tints to the line that point of services (at sea or at port) is a key term in defining who a seafarer is; and on that note a seafarer operates in a ship while on board at sea. From the foregoing, it is good to state in this article certain categories of employees or persons who carry out shipping related services but with their services and job performance being done on land are not incorporated in the term 'seafarer'. Take for instance, an offshore specialist,

co-operating craftsmen, researchers, service technicians are not considered as seafarers. While some arguments posit on whether the aforementioned categories of persons not classified as seafarers are covered under the minimum protection and other entitlement available to seafarers; it is clearly stated that unless where the minimum protection and other entitlement are provided to apply to persons other than seafarers; such strictly apply to persons qualified under the appropriate definitions as seafarers, only².

Life of a Seafarer

By the job description of seafarers; confinements are customary to seafarers. The probabilities are high that seafarers may stay on board all through a given contract period with a dire low probability of being a shore leave. As a



seafarer, it is the responsibility of the seafarers irrespective of less numerical strengths to fully run and manage lives on ship which may be compared to a functional township in a conventional setting —the seafarers make and maintain their own source of power supply, water supply, food supply and management, routine management and in some cases be in-charge for managing crisis in the ship³.

With experience, it is possible for a seafarer to grow in coping physically and

mentally in the job performance which requires mental resilience and physical fitness. With the forms of activities the seafarers are adorned to do —which often denies them the opportunity of being with family, friends and relatives for a longer period of time— seafarers are pushed to adopt and adapt to coping strategies which aids them to manage and deal with issues relating but not limited to depression, loneliness, fears, anxiety, helplessness, etc.⁴

As of the first month of the

year, 2019 there were over 53,000 ships in the number of merchant fleet across the globe⁵. Also, there are over a million and half a million certified seafarers performing different services on international merchant ships with over 700,000 as officers and over 800,000 as ratings. Amongst the countries in the world; the largest supplier of all the seafarers rated from China, Philippines, Indonesia, Russia, etc.⁶ In a 2015 report; it is shown that while there was over 115,000 surplus in

1 Coutroubis, A. D. Menelaou, A. A. and Adami, E. 'Impact of coronavirus disease (covid-19) on seafarers' life and well-being', International Journal of Tropical Disease & Health 41(21): 16-27, 2020. **2** BBC, Seafarers in limbo as coronavirus hits shipping; 2020; Available on <https://www.bbc.co.uk/news/business-52289303> [Accessed 12 May, 2021] **3** International Labour Organisation (ILO), Maritime Labour Convention, 2006 as amended, (MLC 2006). Available on https://www.ilo.org/dyn/normlex/en/f?p=NORMLEXPUB:91:0::NO::P91_SECTION:MLCA_AMEND_A2 [Accessed 13 May, 2021] **4** Coutroubis, A. D. Menelaou, A. A. and Adami, E. 'Impact of coronavirus disease (covid-19) on seafarers' life and well-being', International Journal of Tropical Disease & Health 41(21): 16-27, 2020. **5** Statista, Number of ships in the world merchant fleet as of January 1, 2019, by type; 2020. Available on <https://www.statista.com/statistics/264024/number-of-merchant-ships-worldwide-by-type> [Accessed 14 May, 2021] **6** International Chamber of Shipping (ICS), Global Supply and Demand for Seafarers. Available on <https://www.icsshipping.org/shipping-facts/shipping-and-world-trade/global-supply-and-demand-for-seafarers> [Accessed 13 May, 2021]



the number of ratings; on the other hand, there was shortage of over 16,000 with an overall surplus of over 100,000 seafarers⁷.

Generally, the nature of employment contracts for seafarers usually cover a duration of 8 months and 5 months for ratings and officers

respectively (Management level 4 and Operational level 5-6); with vacation time being 3 months on the average. Vacation is adjudged in accordance with the seafarers' rank and country of origin. Where the vessels in consideration are ones registered in and under recognized flag states,

9 International Transport Federation (ITF). Available on <https://www.itfglobal.org/en> [Accessed 14 May, 2021]; ITF Agreements. Available on <https://www.itfseafarers.org/en/your-rights/itf-agreements> [Accessed 13 May, 2021] **10 Maritime and Coast Guard Agency (MCA),** MGN 477(M), Maritime Labour Convention, 2006: Seafarers' Employment Agreements; 2020. Available on https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/558110/MGN_477_MLC_SEAs.pdf [Accessed on 13 May, 2021] **11 TIME magazine:** World Health Organization Declares Covid-19 a 'Pandemic'; 2020. Available on <https://www.time.com/5791661/whocoronavirus-pandemic-declaration/> [Accessed on 13 May, 2021].

the contracts of employment for an individual are mainly negotiated under collective national agreements aligning with terms and conditions which are in accordance to the provisions of the ILO Convention⁸. Where the vessels are registered under Flags of Convenience (FOCs), the contract of employment for the individual is meant to align with the provisions of the International Transport Workers' Federation (ITF) which makes provisions for a form of Special Agreements and Collective Bargaining Agreements⁹.

Where the provisions of the ILO Convention, (MLC 2006) are considered in relation to the terms and conditions of employment for seafarers; it is evident that the seafarers are employed for specific term, and after such term, the seafarers ought to be considered for repatriation and leave. Accordingly, the Maritime and Coast Guard Agency, in line with the convention has provided a seafarer is not meant to serve on board for a period exceeding 52 weeks (excluding the period of annual statutory paid leave) without the seafarer being entitled to repatriation¹⁰.

However, a seafarer is not obliged to proceed on the repatriation; also a ship owner or employer is prohibited from keeping a seafarer on board

beyond the expiration of the maximum period of service except under a case of emergency or circumstances which are extenuating in nature. And usually, the number of complements assigned to a crew is determined by the type and size of vessels. Where it has to do with tankers, the manning levels are provided in Table 1.

Life of a Seafarer and Covid-19 outbreak

The declaration of Covid-19 as a pandemic was done on March 11th, 2020, by the World Health Organization (WHO) with over 100,000 cases in more than 100 countries and as well as surging risk of a devastating rate of rapid spreading across the globe¹¹. In response to the pandemic,

TABLE 1

TYPE	MINIMUM	MAXIMUM
VLCC	24	26
Suezmax	22	24
Aframax	21	24
Panamax bulker	20	24
Handy bulker/reefer	20	22
General cargo	16	20
Container	18	24
Feeder	18	20
LNG / LPG	15	24
Product tanker Automated	20	24

SOURCE: GOOGLE SEARCH BY AUTHOR

many countries across globe relay to similar preventive measures not limited to border closure; restriction of movements, lockdowns, etc. As the surge in the spread and complications of the pandemic add on; the safety measures extends consequentially as commercial vessels were restricted in their operations and eventually crew members were prohibited from disembarking. The implications of the measures taken amongst other things were that it appeared as if seafarers on board are imprisoned and kept for an undetermined period on board. On the other hand, the team of seafarers on waiting list to be co-opted into service in the vessels under

an employment contract were gravely affected all round. It is reported that only 36 out of the 136 countries monitored across the globe allowed for repatriation of crew members; however such was done under strict rules and specific conditions which were not common¹².

In as much as some countries took some forms of contingency planning in order to manage the Covid-19 pandemic and curtail the rate of prevalence and risk of the pandemic; the fact remains that Covid-19 came to the world unexpectedly and many countries and stakeholders were not prepared to tackle a disease of such magnitude. Take for instance the UK

contingency planning for a possible influenza pandemic Version 2, in 2006, and the National Strategy for Pandemic Flu, 2006 in the USA, which all proved ineffective¹³.

From the initial attitudes of the UK and the USA; the pandemic was downplayed significantly which suggests reasons for the inadequate preparation for the pandemic. It follows that the time and resources which would have been devoted to tackling the pandemic and protecting the public from the effects of the outbreak of the pandemic was utilized in haggling and politicking the entire issue. Thus, there were cases of inconsistencies and confusions embedded in the guidance as well poor supplies of Personal Protection Equipment (PPE) were not able to aid the entire condition¹⁴.

In all the measures taken by the governments, multilateral organization and stakeholders; the risks and threats to seafarers and commercial shipping as a whole were considered as top priority. Thus, the duty to make amends and forge ahead in the wake of the pandemic became one laid on the ship operators to prepare a form of contingency plan which may be applicable in the industry¹⁵.

In the heat of Covid-19 pandemic, seafarers across the



globe have been pushed into fragile and disturbing conditions. With the implementation of traveling restrictions and lockdowns, it follows that some seafarers were unable to exist the ships, or be repatriated home and worse still, seafarers not able to get urgent medical attention or healthcare. There are other incidents where the employment contracts for seafarers were unilaterally terminated and other events where they are hurriedly quarantined on

board ships for not less than 14 days —without any form of payment or compensation. In the last quarter of 2020, it was estimated that more than 380,000 seafarers were stranded on ships and forced to stay on the board beyond the contractual period; while others were unable to go on board and earn a living for themselves —all owing to Covid-19 restrictions and measures¹⁶.

TO BE CONTINUED

Publications by Students: aiu.edu/StudentPublication.html

12 International Chamber of Shipping (ICS), Global Supply and Demand for Seafarers. Available on <https://www.icsshipping.org/shipping-facts/shipping-andworld-trade/global-supply-and-demand-forseafarers> [Accessed 13 May, 2021] **13 USA**, Department of Homeland Security, 'National Strategy for Pandemic Flu'; 2009. Available on <https://www.dhs.gov/nationalstrategy-pandemicflu#:~:text=The%20National%20Strategy%20To%20Safeguard%20Against%20The%20Danger-address%20the%20threat%20of%20avian%20and%20pandemic%20flu> [Accessed 13 May, 2021]; **United Kingdom**, Contingency planning for a possible influenza pandemic. 2006; Version 2. Available on <https://www.gov.uk/government/publications/contingency-planning-for-a-possible-flu-pandemic> [Accessed 13 May, 2021] **14 British Ports Association**, UK Ports: Coronavirus Economic Recovery Plan 2020 and Beyond. London; **Coutroubis, A. D. Menelaou, A. A. and Adami, E.** 'Impact of coronavirus disease (covid-19) on seafarers' life and well-being', International Journal of Tropical Disease & Health 41(21): 16-27, 2020. **15 IMarEST** (2020), Marine Professional, How Project Hygiea plans to save cruise sector from Covid-19; 2020. Available on https://www.imarest.org/themarineprofessional/interactions/item/5685-howproject-10iea-plans-to-save-cruise-sectorfrom-covid-19?utm_source=email&utm_medium=TMP%20Weekly&utm_campaign=Resend%20V2%20of%2026-06-2020 [Accessed on 13 May, 2021]; **Coutroubis, A. D. Menelaou, A. A. and Adami, E.** 'Impact of coronavirus disease (covid-19) on seafarers' life and well-being', International Journal of Tropical Disease & Health 41(21): 16-27, 2020. **16 International Chamber of Shipping (ICS)**, Global Supply and Demand for Seafarers. Available on <https://www.icsshipping.org/shipping-facts/shipping-andworld-trade/global-supply-and-demand-forseafarers> [Accessed 13 May, 2021].

To be happy in the middle of a pandemic



you know what skills you have? Do you know what it is to live? Do you know what it's to be happy?

We are going to give you an explanation of these big questions: As a human being you are a mammal with special faculties because you have the ability to reason, the ability to learn and the ability to choose even if you say that there are those who can't. The choice is not in physical space, the choice is in your own mind.

No person can tell you: you can't think about this or that.

Remember **Nelson Mandela** and all the years that he was in prison he spent it physically, locked up but no one prevented him from thinking about what he wanted; that's how strong his will was.

The will and your reasoning give you the power to

When reading the title of this article many will be left thinking that it's a sovereign lie. How can one be happy in the world situation in which we find ourselves? Indeed, we are in a world situation that doesn't seem to end because when they say here that everything is going out there

are countries that are in full growth of the sick. Also when it seems that you have the right vaccine, another mutation of the virus arises. It seems that what we are experiencing is an endless chain.

Countries whose development has stopped and countries that already had

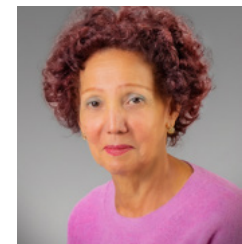
problems and now have more.

How to be happy in a world like this? Our problem is that we want the world we had and that is what we are clinging to.

We talk a lot about freedom and that we have to do what we want and apparently that freedom we don't understand what it's about.

The owners of capital cities had gotten us used to big events, big shopping centers, restaurants here and there, to buy all the products we need already prepared or semi-prepared and we don't know how to live if it's not in that world.

Do you know who you are as a human being? Do



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think about what you want. The skills are the potentialities with which you are born and you can learn others and make those that live in you grow.

Have you ever thought about the situations in which you can get ahead? Have you ever thought about which ones you can develop? As for living, do you know what it is? Do you live or are you a vegetable?

Living is knowing, where I'm as a human being, what abilities I have, what I want to do with, what I am physically and making choices that are building my reason for being and being in this beautiful pale blue point as Carl Sagan said. Since we are talking about to be a vegetable, we tell you what we mean when we talk about be a vegetable. Being a vegetable is being there, like plants: they don't move, they don't go anywhere, they don't choose.

Continuing with the explanation of the questions. As for being happy: To be happy is to realize a life. And what is that thing? Realizing a life is that you know your skills so that you can choose instead of deciding by what others do or what the media, such as social networks, propagate. To be happy is that you decide that you want to wear instead of being a showcase for the designers of the trade.

Being happy is that you eat what you feed instead of following the trend of what they sell for fast food.

Being happy is that you decide which events you want to go to instead of what is fashionable at the moment.

Being happy is that you enjoy buying an item because you need it rather than being a prey to marketing.

Being happy is that you seek knowledge so that you know where you are and where you are going.

Being happy in these moments is that you seek the information of scientists about what this pandemic is so that no one leads you towards their interests.

Be happy, look in these unforeseen changes that we have what you can do with the time you now have because you don't go like crazy or crazy running everywhere.

Being happy is to take the time you now have to see what objects you have left over that you can give to those who have less than you.

Being happy is that you dedicate yourself to preparing a food that you bought the ingredient before because nowadays you have time to prepare it. It will be cheaper for you to buy the ingredients and prepare it.

To be happy is that now you

say: I'm going to prepare food for the whole family; before you only bought and bought.

To be happy is that you say now I'm going to read something because before in your career towards production there was no time to read something worthwhile.

To be happy is that you say: I'm going to talk to this friend or friend, to these relatives because before you could not.

To be happy is to see how our leaders have been, in order

to elect people who know what the needs of a society are.

If you live in a country with few freedoms, you can do what **Nelson Mandela** did: be free within yourself and build what might be possible. You will say: a famine is coming, what to do so that these people can live and become happy. Find out what your country does so that the international organizations to which it belongs do what is convenient to give these

human beings better life. Do you know how much money countries give for international organizations to operate? A lot of money. Let's do it! We must pressure our governments to fulfill the function for which they are elected instead of taking financial resources for their benefit.

You already have a way to be happy in the middle of a pandemic. You can be happy if you want to. Let's work to be happy and that others can be.

Nelson Mandela
1918-2013



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LEARNING



Image: © 2CK Photography | Flickr / Creative Commons

Teach social skills as values

...not like computer programs.

Applied Behavioral Analysis's simplistic definition of social skills does both autistic people and the general public a disservice. Applied Behavioral Analysis (ABA) taught me that social skills were context-free rules I had to follow: forcing my hands to be quiet, staring back at eyeballs that bored into mine, contorting myself to make myself look less autistic at the expense of my happiness and overall well-being. I wasn't allowed to be who I was, so I didn't see the benefit in making a good impression on other people.

I easily understood abstract concepts such as justice and equality as a child, but I didn't understand social skills in the more conventional sense until my early adolescence. Had I been

given a coherent narrative about the importance of social skills, I might have developed them more readily; as it was, my lessons seemed arbitrary and useless. It was assumed that I was constitutionally unable to understand context, and the only way to teach me appropriately was to treat me as a flesh-and-blood robot, superficially carrying out instructions I was not expected to comprehend.

For ABA practitioners, social skills are analogous to computer programs: we are merely to carry out the tasks without protest, and the execution of the program is what counts, not the values that make those programs ... *Read full text:* <http://www.thinkingautismguide.com/2021/01/teach-social-skills-as-values-not-like.html>

Water-bottling plant

Indigenous communities take one over to use as a social centre.

For four months, Indigenous and local communities in Mexico have managed to blockade and shut down the Bonafont plant in Cuanala in Puebla state. Bonafont is a bottled water brand owned by Danone, a Paris-based food corporation. With large rocks blocking the main entrance, as well as tents, a cooking station and more, the communities have used their permanent blockade as a space to hold workshops, forums and cultural events. But on Sunday, August 1, they decided it was time to take over the plant and put it to better use. They called a public meeting with state authorities and Bonafont owners for Sunday, August 8. No officials showed up.

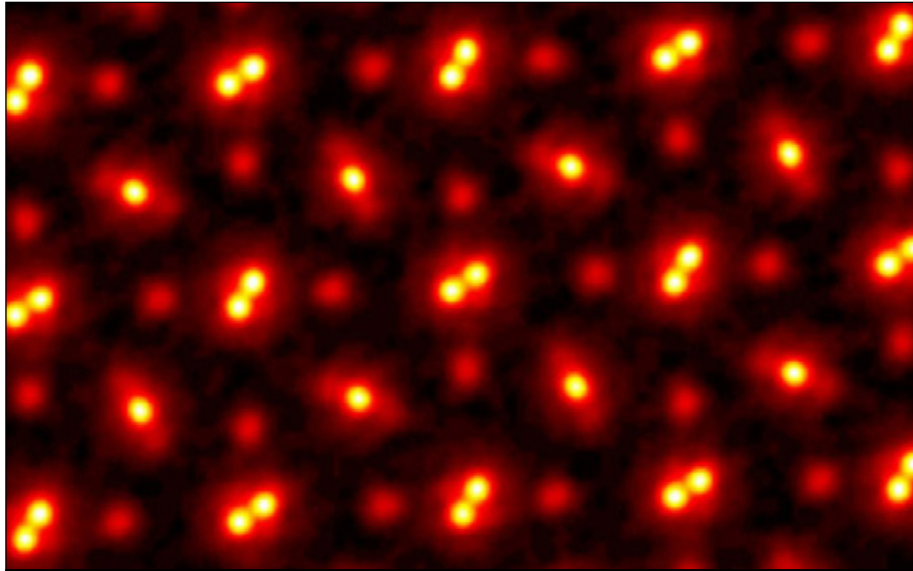
After putting the government and corporations on trial, with members of each community testifying to the abuse of land and water in their area, the 21 communities then entered the huge water-bottling plant and took it over on Sunday [Aug 8]. The action coincided with the anniversary of the birth of Mexican revolutionary Emiliano Zapata. Activists ... shut down one of the wells within the plant that was used to extract water from the nearby Iztaccíhuatl springs ... Bonafont had been extracting 1.4 million litres of water a day, in order to sell them for profit, while leaving locals ... *Read full text:* <https://www.greenleft.org.au/content/mexico-indigenous-communities-take-over-water-bottling-plant-use-social-centre>

Communities blame the local and national governments, Bonafont, and other corporations for pollution, water scarcity, and other issues in their areas.



Image: Tamara Pearson

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Atomic image

The highest-resolution ever captured.

To create it, Cornell University researchers captured a sample from a crystal in three dimensions and magnified it 100 million times, doubling the resolution that earned the same scientists a Guinness World Record in 2018. Their imaging process could help develop materials for designing more powerful and efficient phones, computers and other electronics, as well as longer-lasting batteries.

The scientists obtained the image using a technique called *electron ptychography*. It involves shooting a beam of electrons, about a billion per second, at a target material. The beam moves infinitesimally as the electrons are fired, so they hit the sample from slightly different angles —sometimes they pass

through cleanly; other times they collide with atoms and bounce around inside the sample before exiting. Cornell physicist **David Muller** likens the technique to playing dodgeball against opponents who are standing in the dark. The dodgeballs are electrons, and their targets are individual atoms. Although **Muller** cannot see the targets, he can detect where the “dodgeballs” end up. Based on the speckle pattern generated by billions of these electrons as they hit a detector, machine-learning algorithms can calculate where the atoms were in the sample and what their shapes might be, thus creating an image. ... *Read full text:* <https://www.scientificamerican.com/article/see-the-highest-resolution-atomic-image-ever-captured/>

Robot chameleon

Actively camouflages itself into surroundings.

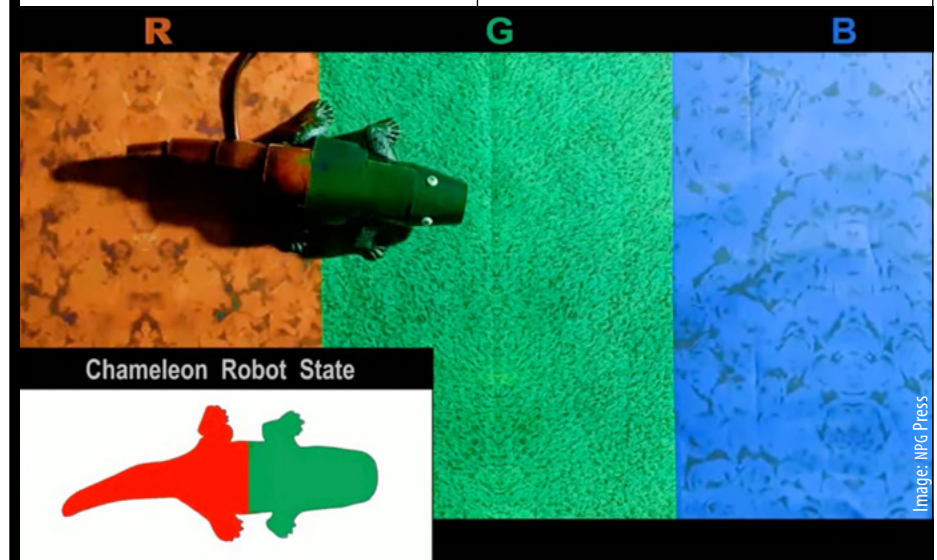
Researchers from Seoul National University have developed a soft robot chameleon that can actively change color as it moves across different backgrounds. They believe it could eventually translate into camouflage technologies on both clothes and buildings. Their results were published in *Nature Communications*.

To develop their camouflaging robot, the researchers used thermochromic liquid crystal (TLC). This substance can exhibit distinct colors at specific temperatures, and by fine-tuning a layer of TLC to respond in different colors then altering the temperature, researchers are able to create technology that can rapidly change into a variety of colors.

TLC has been utilized to create artificial skin that could one day be used to camouflage human wearers, but it suffered from extremely slow response times. Alongside this, researchers must overcome more hurdles to create a functioning color-changing robot. The material needs to be robust, flexible, and have a high enough pixel density to look convincing to the eye, instead of a checkerboard of colored squares.

By incorporating a vertically stacked silver nanowire into the material, the researchers gained precise control over the temperature at different areas of the robot. ... *Read full text and watch video:*

<https://www.iflscience.com/technology/robot-chameleon-that-actively-camouflages-itself-into-surroundings-created-by-scientists/>



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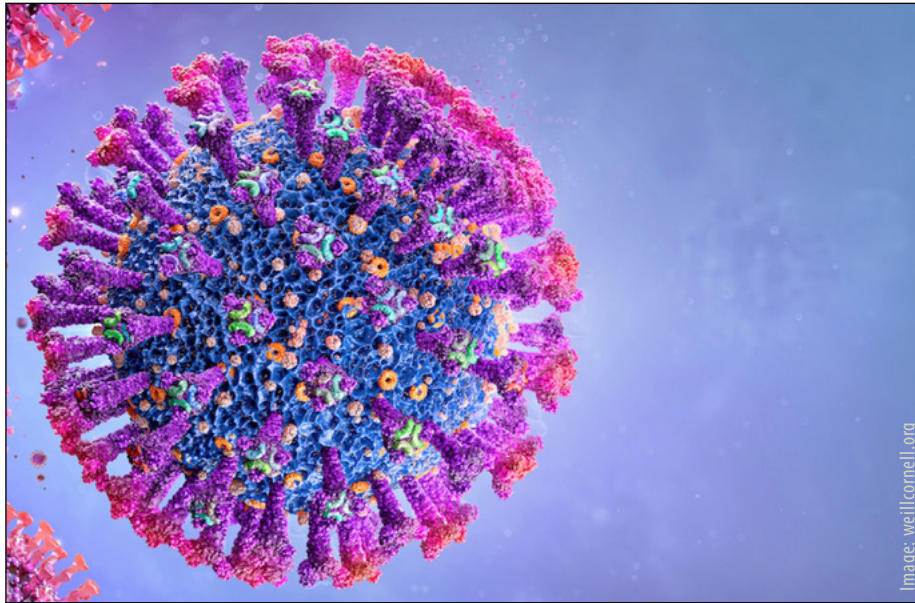


Image: weillcornell.org

Delta variant

It has made herd immunity impossible, says AZ developer.

Sir **Andrew Pollard**, a professor of pediatric infection and immunity at the University of Oxford, said that achieving herd immunity is “not a possibility” now that the Delta variant is circulating. “We know very clearly with coronavirus that this current variant, the Delta variant, will still infect people who have been vaccinated, and that does mean that anyone who’s still unvaccinated, at some point, will meet the virus,” **Pollard** said. He said it was unlikely that herd immunity will ever be reached, saying the next variant of the novel coronavirus will be “perhaps even better at transmitting in vaccinated populations.”

Some experts had hoped that herd immunity could be reached with COVID-19, as was the case with measles, which is

also highly infectious. Many countries have achieved herd immunity with measles by vaccinating 95% of the population against it, such as the US, where endemic transmission ended in 2000. That is because once a person is vaccinated against measles, they cannot transmit the virus.

With COVID-19, vaccines still fulfill their primary role: protecting against severe disease. According to the US CDC, vaccinated people who catch the Delta variant are 25 times less likely to have a severe case or die. The overwhelming majority who do catch it will have mild or no symptoms. ...

Read full text: <https://www.businessinsider.com/delta-variant-made-herd-immunity-not-possible-astazeneca-developer-2021-8?r=MX&IR=T>

Gut reactions

Microbes in the digestive tract influence COVID severity.

One of the many issues that have flummoxed scientists researching COVID-19 is the nose-to-toes diversity of its symptoms, which extend well beyond the usual range of respiratory infections: from loss of smell to blood clots and stroke to limb pain and discolored COVID toes. One of the most common nonrespiratory manifestations is gastrointestinal trouble. As many as 50 percent of COVID patients have nausea, diarrhea and/or abdominal pain. And according to a Canadian review paper, for 16 percent in one large study, those were the only symptoms.

Research indicates that SARS-CoV-2—the virus that causes COVID—can directly attack the epithelial cells that line the GI tract, entering via the

molecular doorway of angiotensin-converting enzyme 2 (ACE2). These cells express high levels of ACE2, as do the cells lining the lungs, the primary site of infection.

But the gut is not merely a passive target for the virus. Evidence suggests it is also a player in determining the severity of COVID-19. A burst of research over the past decade has shown that the tiny denizens of the digestive tract—the gut microbiota—play a vital role in protecting the body from pathogens and in regulating immune responses to infections, and that seems to be the case for COVID. ...

Read full text: <https://www.scientificamerican.com/article/gut-reactions-microbes-in-the-digestive-tract-influence-covid-severity/>

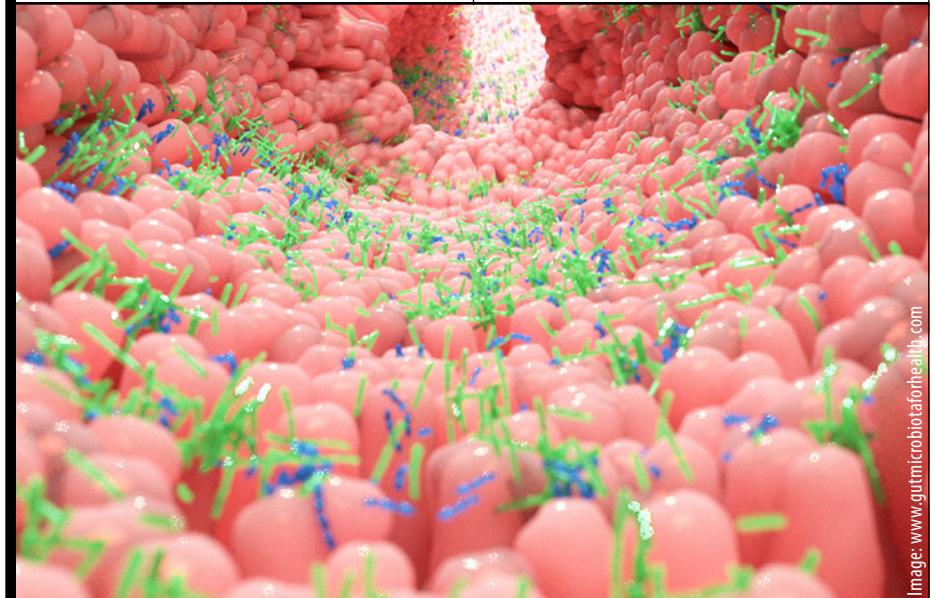


Image: www.gutmicrobiotaforhealth.com



NeSpoon

Beginning in 2009, this Polish Artist's works that have been created range between street art, pottery, painting, sculpture and jewelry, most of her works consists of traditional laces, either made in clay or painted on walls. Based in Warsaw, her art is found across the world; by using intricate doily patterns she transforms abandoned and austere areas into truly remarkable sights.

Through the medium of the location of her art, she also comments on political and social issues that have significant meaning to her and the society around where her art is, whether it may be raising awareness of a growing lack of water and privatisation of resources in New Zealand, or a reference to beauty and harmony between cultures in the UAE, NeSpoon's work is an example of real considerations of the social and political contexts of the environments of art. ...

Read full text, find more images: <https://urban-nation.com/artist/nespoon/>



Dress alterations for medical reasons

Life can be hard enough as it is without your clothing being an added problem.

Popsy clothing —a family business that started in 2017 with a small collection of dresses— were asked if they could make an alteration to their pocket to allow wires from pumps to go through and the pump can then easily sit in the pocket.

Their sewing team took a look —no problem! They now offer this alteration as standard for anybody who needs it.

All you need to do is type in “medical pump hole” in the notes section of your order and your dress will be altered before sending out to you.

Please do let anybody who may benefit from this know because we know there are already people who's lives are made easier with this.

Visit: www.popsyclothing.co.uk



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Image: zippywriters.com

Mental disorders

Researchers doubt that certain are disorders at all.

What if mental disorders like anxiety, depression or post-traumatic stress disorder aren't mental disorders at all? In a compelling new paper, biological anthropologists call on the scientific community to rethink mental illness. With a thorough review of the evidence, they show good reasons to think of depression or PTSD as responses to adversity rather than chemical imbalances. And ADHD could be a way of functioning that evolved in an ancestral environment, but doesn't match the way we live today.

Mental disorders are routinely treated by medication under the medical model. So why are the anthropologists who wrote this study claiming that

these disorders might not be medical at all? They point to a few key points. First, that medical science has never been able to prove that anxiety, depression or post-traumatic stress disorder (PTSD) are inherited conditions.

Second, the study authors note that despite widespread and increasing use of antidepressants, rates of anxiety and depression do not seem to be improving. From 1990-2010 the global prevalence of major depressive disorder and anxiety disorders held at 4.4% and 4%. At the same time, evidence has continued to show that antidepressants ... *Read full text:* <https://www.forbes.com/sites/alisonescalan-te/2020/08/11/researchers-doubt-that-certain-mental-disorders-are-disorders-at-all/?sh=77e366f915a6>

The missing link

...in our body's blood pressure control.

University of Virginia School of Medicine researchers have determined the location of natural blood-pressure barometers inside our bodies that have eluded scientists for more than 60 years. These cellular sensors detect subtle changes in blood pressure and adjust hormone levels to keep it in check. Scientists have long suspected that these barometers, or "baroreceptors," existed in specialized kidney cells called renin cells, but no one has been able to locate the baroreceptors until now.

The new findings, from UVA Health's Maria Luisa S. Sequeira-Lopez and colleagues, finally reveal where the barometers are located, how they work and how they help prevent high blood pressure (hypertension) or low blood

pressure (hypotension). The researchers hope the insights will lead to new treatments for high blood pressure.

"It was exhilarating to find that the elusive pressure-sensing mechanism, the baroreceptor, was intrinsic to the renin cell, which has the ability to sense and react, both within the same cell," said Sequeira-Lopez, of UVA's Department of Pediatrics and Child Health Research Center. "So the renin cells are sensors and responders."

The existence of a pressure sensor inside renin cells was first proposed back in 1957. It made sense: The cells had to know when to release renin, a hormone that helps regulate blood pressure. ... *Read full text:* <https://www.sciencedaily.com/releases/2021/08/210803121353.htm>

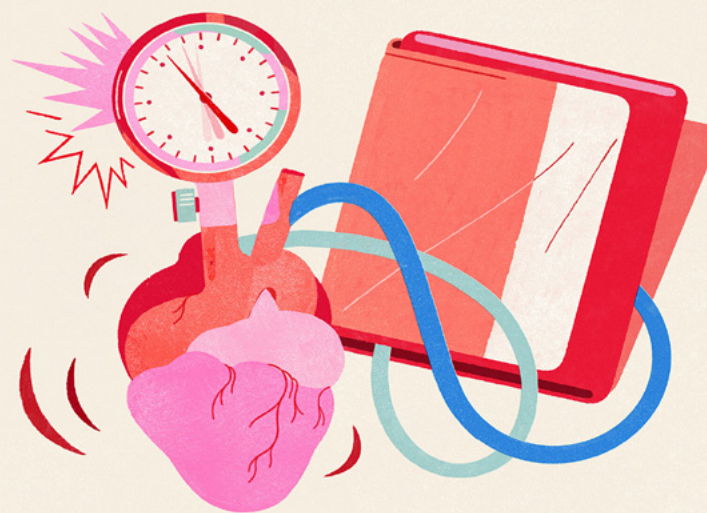


Image: www.nytimes.com

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Image: www.ktvu.com

Cultural burning

Indigenous fire stewardship promotes global biodiversity.

Researchers [at the University of Waterloo] examined how Indigenous fire stewardship —specifically cultural burning— reduces the risks of interface fires, which have the potential to involve buildings and vegetation simultaneously, and fire impacts to ecological and human communities.

Indigenous fire stewardship is a global practice used for resource management, community protection, and cultural purposes. Importantly, it has increased biodiversity and ecosystem heterogeneity across all of Earth's major terrestrial biomes.

"Declines in biodiversity were associated with high-severity fire activity, which began with the disruption of Indigenous-controlled fire use at the onset of colonization," said research

co-lead **Kira Hoffman**, a recent post-doctoral fellow in the Faculty of Environment at the University of Waterloo, now a jointly appointed postdoctoral fellow at the University of British Columbia's Faculty of Forestry and The Bulkley Valley Research Centre. ...

The study points out that over a century of fire suppression, combined with warmer and drier conditions associated with climate change, has led to increasingly severe wildfire events, which is threatening biodiversity on a global scale. ... Although evidence for widespread and contemporary Indigenous fire stewardship exists, the millennia-old practice is still debated in many parts of the world. ... *Read full*

text: <https://uwaterloo.ca/news/media/indigenous-fire-stewardship-promotes-global-biodiversity>

The summit of Greenland

...got rain, rather than snow, for the first time on record.

It rained, rather than snowed, at the summit of Greenland on Saturday for the first time on record, according to the National Snow & Ice Data Center at the University of Colorado at Boulder. The summit, which is about two miles above sea level, marks the highest point on Greenland's ice sheet. NSIDC said rain was observed at the summit for several hours on August 14, and that above-freezing temperatures were also recorded, lasting for about nine hours.

It was the third time in less than a decade that above-freezing temperatures and wet snow were recorded there. In total, about 7 billion tons of rainfall

dropped onto Greenland's ice sheet, according to the NSIDC. **Laurence C. Smith**, a climate scientist and professor at Brown University, called the rainfall at the summit "stunning" in an email to *Insider*. He said "it portends a future of greater meltwater runoff" that will "amplify Greenland's melting and contribution to global sea level rise."

Greenland, which contains the largest ice mass in the northern hemisphere, lost more than 530 billion tons of ice in 2019. Over a two-day period last month, enough ice melted in ...

Read full text: <https://businessinsider.mx/greenland-summit-gets-rain-not-snow-first-time-on-record-2021-8/?r=US&IR=T>



Image: Saul Loeb/Pool/The Associated Press

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Image: www.istock.com

First Nations

Canada has to stop its all-front war against them.

Canada is developing a new image: One of burning churches, toppling statues, and mass graves. There are thousands more unmarked graves, thousands more Indigenous children killed at residential schools, remaining to be unearthed. There can be no denying that this is Canada, and it has to change. But can Canada transform itself for the better? If the revelation of the mass killing of Indigenous children is to lead to any actual soul-searching and any meaningful change, the first order of business is for Canada to stop its all-front war against First Nations. Much of that war is taking place through the legal system.

Canadian politicians have said as much, adopting a motion in June calling for the government to stop

fighting residential school survivors in court. A long-standing demand, it has been repeated by Indigenous advocates who have expressed amazement in the face of these horrific revelations that the Canadian government would nonetheless continue to fight Indigenous survivors of systematic child abuse by the state.

To get a sense of the scope of Canada's legal war on First Nations, I looked at a Canadian legal database containing decisions (case law) pertaining to First Nations. ... Two things surprised me. The first was ... Canada is fighting First Nations everywhere, on an astoundingly wide range of issues. The second thing: Canada is losing. ...

Read full text: <https://www.newsclick.in/canada-waging-all-front-legal-war-indigenous-people>

Animal research

The hidden face.

Animal disease research in government or government-funded labs often flies under the public radar and it goes way beyond COVID-19 questions. For example few are aware of the existence of the U.S.' Plum Island Animal Disease Center even though it is located in New York state near the NE coast Long Island. During the Nixon era, bio-weapons were developed there. Now the USDA's Agricultural Research Service conducts gain of function-like research into vaccines and other countermeasures against foreign animal diseases like vesicular stomatitis virus, foot-and-mouth disease and swine fever.

The 2005 book, "*Lab 257: The Disturbing Story of the Government's*

Secret Plum Island Germ Laboratory," exposed biological meltdowns, infected workers and virus outbreaks at the facility including lab leaks that were seriously underreported by mainstream media.

Recently, a French laboratory worker was diagnosed with Creutzfeldt-Jakob disease (CJD) leading to an immediate moratorium on the prion research the worker and others conduct at five public research institutions in France. Prions, misfolded infectious proteins, cause the fatal brain diseases of scrapie in sheep, mad cow ... *Read full text: <https://www.counterpunch.org/2021/08/10/the-hidden-face-of-animal-research/>*

Read full text: <https://www.counterpunch.org/2021/08/10/the-hidden-face-of-animal-research/>



Image: kyselak

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CAMPUS

MIT's doomsday prediction still stands



Image: www.cbc.ca

At a UN sustainability meeting several years ago, an economic policy officer came up to **Gaya Herrington** and introduced himself. Taking her name for a riff on **James Lovelock's** earth-as-an-organism Gaia hypothesis, he remarked: "Gaya –that's not a name, it's responsibility."

Herrington, a Dutch sustainability researcher and adviser to the Club of Rome,

a Swiss thinktank, has made headlines in recent days after she authored a report that appeared to show a controversial 1970s study predicting the collapse of civilization was — apparently— right on time.

Coming amid a cascade of alarming environmental events, from western US and Siberian wildfires to German floods and a report that suggests the Amazon rainforest

may no longer be able to perform as a carbon sink, **Herrington's** work predicted the collapse could come around 2040 if current trends held.

Research by **Herrington**, a rising star in efforts to place data analysis at the center of efforts to curb climate breakdown, affirmed the bleaker scenarios put forward in a landmark 1972 MIT study, *The Limits to Growth*, that

presented various outcomes for what could happen when the growth of industrial civilization collided with finite resources.

Now, with the climate crisis increasing the frequency of extreme weather events, and many single events shown to have been made worse by global heating, the Club of Rome, publisher of original MIT paper, has returned to the study.

"From a research perspective, I felt a data check of a decades-old model against empirical observations would be an interesting exercise," said **Herrington**, a sustainability analyst at the accounting giant KPMG that recently described greenhouse gas emissions as a "shared, existential challenge."

"The MIT scientists said we needed to act now to achieve a smooth transition and avoid costs," **Herrington** told the *Guardian* this week. "That didn't happen, so we're seeing the impact of climate change."

Since its publication, *The Limits to Growth* has sold upwards of 30m copies. It was published just four years after **Paul Ehrlich's** *Population Bomb* that forewarned of an imminent population

collapse. With MIT offering analysis and the other full of doom-laden predictions, both helped to fuel the era's environmental movements, from Greenpeace to Earth First!.

Herrington, 39, says she undertook the update (available on the KPMG website and credited to its publisher, the *Yale Journal of Industrial Ecology*) independently "out of pure curiosity about data accuracy". Her findings were bleak: current data aligns well with the 1970s analysis that showed economic growth could end at the end of the current decade and collapse come about 10 years later (in worst case scenarios).

The timing of **Herrington's** paper, as world economies grapple with the impact of the pandemic, is highly prescient as governments largely look to return economies to business-as-usual growth, despite loud warnings that continuing economic growth is incompatible with sustainability.

Earlier this year, in a paper titled *Beyond Growth*, the analyst wrote plainly: "Amidst global slowdown and risks of depressed future

growth potential from climate change, social unrest, and geopolitical instability, to name a few, responsible leaders face the possibility that growth will be limited in the future. And only a fool keeps chasing an impossibility.”

Herrington, who has a degree in econometrics from the University of Amsterdam and a master’s in sustainability from Harvard, believes that the field of economic sustainability has to be made into an observable science that can be acted upon.

Her motivation, she says, is for the wellbeing of future generations. “I would like ‘the kids to be OK,’ even if none of them were mine,” she says. “I am driven by a passion for sustainability. Always have been.”

The policy officer who approached her at the UN meeting and spoke about the meaning and responsibility of her first name was not necessarily wrong, she adds. “He was right in the sense that my drive has always come naturally to me.”

The MIT study, **Herrington** says, was never about making predictions but to show potential paths forward during a time of immense change. **Herrington’s** review concludes that the 1972 study was essentially on target.

The 1972 study’s authors, **Herrington** points out, were looking for paths toward a stabilized world in terms of economic growth.

She says there is nothing inevitable about its predictions—even now.

“The key finding of my study is that we still have a choice to align with a scenario that does not end in collapse. With innovation in business, along with new developments by governments and civil society, continuing to update the model provides another perspective on the challenges and opportunities we have to create a more sustainable world.”

At the same time, she says, the primary concerns of the MIT study have been supplanted. “Resource scarcity has not been the challenge people thought it would be in the 70s and population growth has not been the scare it was in the 90s. Now the concern is pollution and how it perfectly aligned with what climate scientists are saying,” she said.

Technological advances have meant simply that we go farther and deeper to extract fossil fuels, and despite some efficiencies, consumption and emissions have only increased. The MIT authors, she points out, predicted as much.

“They said that even if we innovate ourselves out of resource scarcity, we would probably see an increase in pollution from those adaptations unless we also limit our continued search for growth,” she said.

In the new study, **Herrington** focused on two scenarios using a range of variables, or markers, including population, fertility rates, mortality rates, industrial output, food production, services, non-renewable resources, persistent pollution, human welfare,

and ecological footprint.

Under one, termed business as usual, or BAU2, growth would stall and combine with population collapse. The other, termed comprehensive technology (CT), modeled stalled economic growth without social collapse. Both scenarios “show a halt in growth within a decade or so from now,” the study says, adding, that “pursuing continuous growth, is not possible.”

Sustainability is the answer, she says.

“There is a sustainable way of creating value and

prosperity that also has immense economic potential. Doing good can still yield a profit. In fact, we are seeing examples of that happening right now. Expanding those efforts now creates a world full of opportunity that is also sustainable,” she said.

Ironically, the pandemic, she believes, has even shown the world what might be possible.

“We’re totally capable of making huge changes, and we’ve seen with the pandemic, but we have to act now if we’re to avoid costs much greater than we’re seeing,” she said.



Read full text by Edward Helmore: <https://www.theguardian.com/environment/2021/jul/25/gaya-herrington-mit-study-the-limits-to-growth>

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Good advice

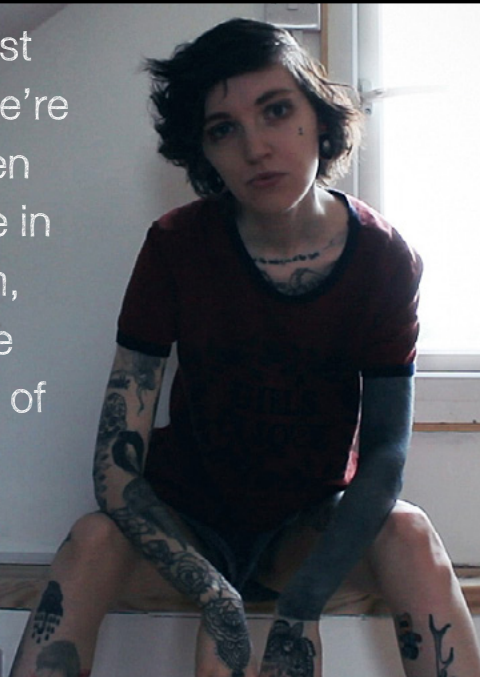
15. DON'T MAKE DECISIONS WHEN YOU ARE ANGRY OR ECSTATIC

The best decisions are made with a clear conscious mind, not in the throes of any emotion—positive or negative.

Source: www.inc.com

“Autistic people are just like ‘everyone else’, we’re utterly unique and often the only thing we have in common is our autism, oh, and the trauma we experience as a result of that, at times.”

Charlotte Amelia Poe. (1989-). British self-taught artist and writer. They also work with video, and won the inaugural Spectrum Art Prize with the film ‘How To Be Autistic’.



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extending their knowledge and equipping them with broad research and process Management skills, enabling them to make a key leadership contribution to their chosen fields.

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is seldom found in other distance learning programs. Our program does not require every student to study the same subjects and use the same books and other learning materials as every other student. Instead our online Bachelor programs are designed just for you. They are individually designed to meet your needs and help you to reach your professional and personal goals.

IMPORTANT: Below is an example of the topics or areas you may develop and work on during your studies. By no means is it a complete or required list as AIU programs do not follow a standardized curriculum. It is meant solely as a reference point and example. Want to learn more about the curriculum design at AIU? Go ahead and visit our website, especially the Course and Curriculum section:
www.aiu.edu/CourseCurriculum.html

Orientation Courses:

Communication & Investigation
(Comprehensive Resume)
Organization Theory (Portfolio)
Experiential Learning (Autobiography)
Seminar Administrative Development
(Book Summary)
Seminar Cultural Development
(Practical Experience)
Seminar International Development
(Publications)

Core Courses and Topics

Building taller teams
Analytics for retail
Analysis of data
Retail indicators
Competitor analysis

Analysis of results
Retail strategic management models
Retail: challenges and opportunities
Retail strategy
HOMANS model
Pentagon + Triangle Model
Profitability model
Productivity model
Retail value proposition
Market definition
Segmentation
Target buyer identification
Positioning
Elaboration of the value proposition
Fundamental retail decisions
Format / location
Own brand
Layout / planogram

Research Project

Bachelor Thesis Project
MBM300 Thesis Proposal
MBM302 Bachelor Thesis
(5,000 words)

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ABOUT

Atlantic International University offers distance learning degree programs for adult learners at bachelors, masters, and doctoral level. With self paced program taken online, AIU lifts the obstacles that keep professional adults from completing their educational goals. Programs are available throughout a wide range of majors and areas of study. All of this with a philosophically holistic approach towards education fitting within the balance of your life and acknowledging the key role each individual can play in their community, country, and the world.

Accreditation



Atlantic International University is accredited by the Accreditation Service for International Schools, Colleges and Universities (ASIC). ASIC Accreditation is an internationally renowned quality standard for colleges and universities. Visit ASIC's Directory of Accredited Colleges and Universities. ASIC is a member of CHEA International Quality Group (CIQG) in the USA, an approved accreditation body by the Ministerial Department of the Home Office in the UK, and is listed in the International Directory of the Council for Higher Education Accreditation (CHEA). The University is based in the United States and was established by corporate charter in 1998.

Our founding principles are based on the United Nations Universal Declaration of Human Rights; per article 26, AIU believes that Higher Education is a Human Right. The University has implemented a paradigm shifting educational model for its academic programs that have allowed it to move closer to this goal through the self-empowerment of its students, decentralization of the learning process, personalized open curriculum design, a sustainable learning model, developing 11 core elements of the Human Condition within MYAIU, and utilizing the quasi-infinite knowledge through the use of information technology combined with our own capacity to find solutions to all types of global issues, dynamic problems, and those of individuals and multi-disciplinary teams. Due to these differentiations and the university's mission, only a reputable accrediting agency with the vision and plasticity to integrate and adapt its processes around AIU's proven and successful innovative programs could be selected. Unfortunately, the vast majority of accrediting agencies adhere to and follow obsolete processes and requirements that have outlived their usefulness and are in direct conflict with the university's mission of offering a unique, dynamic, affordable, quality higher education to the non-traditional student (one who must work, study what he really needs for professional advancement, attend family issues, etc.).

We believe that adopting outdated requirements and processes would impose increased financial burdens on students while severely limiting their opportunities to earn their degree and advance in all aspects. Thus, in selecting the ASIC as its accrediting agency, AIU ensured that its unique programs would not be transformed into a copy or clone of those offered by the

10,000+ colleges and universities around the world. Since ASIC is an international accrediting agency based outside the United States, we are required by statute HRS446E to place the following disclaimer: ATLANTIC INTERNATIONAL UNIVERSITY IS NOT ACCREDITED BY AN ACCREDITING AGENCY RECOGNIZED BY THE UNITED STATES SECRETARY OF EDUCATION. Note: In the United States and abroad, many licensing authorities require accredited degrees as the basis for eligibility for licensing. In some cases, accredited colleges may not accept for transfer courses and degrees completed at unaccredited colleges, and some employers may require an accredited degree as a basis for eligibility for employment. Potential students should consider how the above may affect their interests, AIU respects the unique rules and regulations of each country and does not seek to influence the respective authorities. In the event that a prospective student wishes to carry out any government review or process in regards to his university degree, we recommend that the requirements of such are explored in detail with the relevant authorities by the prospective student as the university does not intervene in such processes.

AIU students can be found in over 180 countries, they actively participate and volunteer in their communities as part of their academic program and have allocated thousands of service hours to diverse causes and initiatives. AIU programs follow the standards commonly used by colleges and universities in the United States with regards to the following: academic program structure, degree issued, transcript, and other graduation documents.

AIU graduation documents can include an apostille and authentication from the US Department of State to facilitate their use internationally.



The AIU Difference

It is acknowledged that the act of learning is endogenous, (from within), rather than exogenous. This fact is the underlying rationale for "Distance Learning", in all of the programs offered by AIU. The combination of the underlying principles of student "self instruction", (with guidance), collaborative development of curriculum unique to each student, and flexibility of time and place of study, provides the ideal learning environment to satisfy individual needs. AIU is an institution of experiential learning and nontraditional education at a distance. There are no classrooms and attendance is not required.

Mission & Vision

MISSION: To be a higher learning institution concerned about generating cultural development alternatives likely to be sustained in order to lead to a more efficient administration of the world village and its environment; exerting human and community rights through diversity with the ultimate goal of the satisfaction and evolution of the world.

VISION: The empowerment of the individual towards the convergence of the world through a sustainable educational design based on andragogy and omniology.

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FACULTY AND STAFF PAGE:
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The School of Business and Economics allows aspiring and practicing professionals, managers, and entrepreneurs in the private and public sectors to complete a self paced distance learning degree program of the highest academic standard.

The ultimate goal is to empower learners and help them take advantage of the enormous array of resources from the world environment in order to eliminate the current continuum of poverty and limitations.

Degree programs are designed for those students whose professional

experience has been in business, marketing, administration, economics, finance and management.

Areas of study: Accounting, Advertising, Banking, Business Administration, Communications, Ecommerce, Finance, Foreign Affairs, Home Economics, Human Resources, International Business, International Finance, Investing, Globalization, Marketing, Management, Macroeconomics, Microeconomics, Public Administrations, Sustainable Development, Public Relations, Telecommunications, Tourism, Trade.

School of Social and Human Studies



The School of Social and Human Studies is focused on to the development of studies which instill a core commitment to building a society based on social and economic justice and enhancing opportunities for human well being.

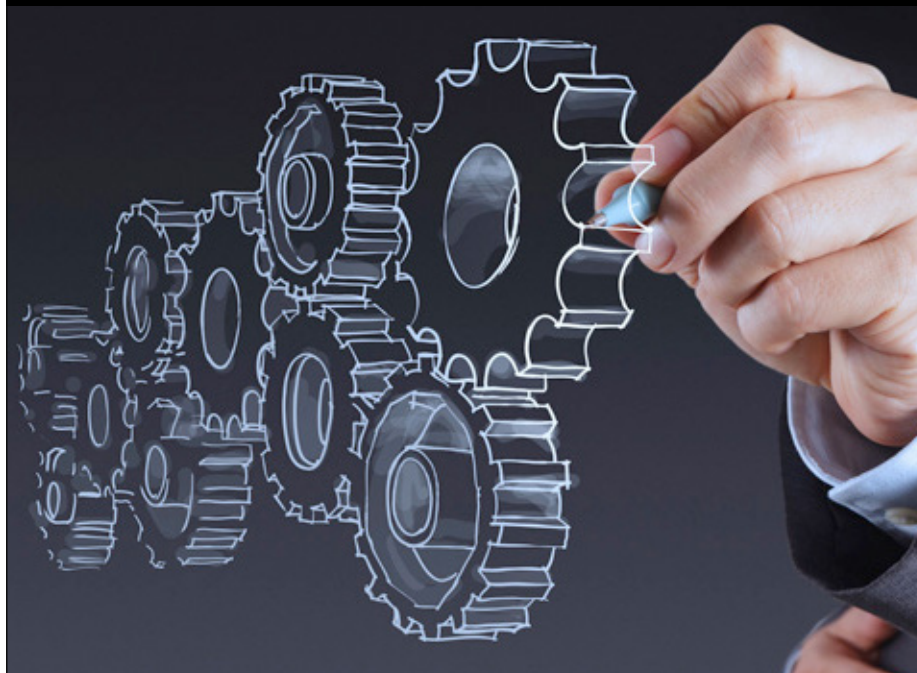
The founding principles lie on the basic right of education as outlined in the Declaration of Human Rights. We instill in our students a sense of confidence and self reliance in their ability to access the vast opportunities available through information channels, the world wide web, private, public, nonprofit, and nongovernmental

organizations in an ever expanding global community.

Degree programs are aimed towards those whose professional life has been related to social and human behavior, with the arts, or with cultural studies.

Areas of Study: Psychology, International Affairs, Sociology, Political Sciences, Architecture, Legal Studies, Public Administration, Literature and languages, Art History, Ministry, African Studies, Middle Eastern Studies, Asian Studies, European Studies, Islamic Studies, Religious Studies.

School of Science and Engineering

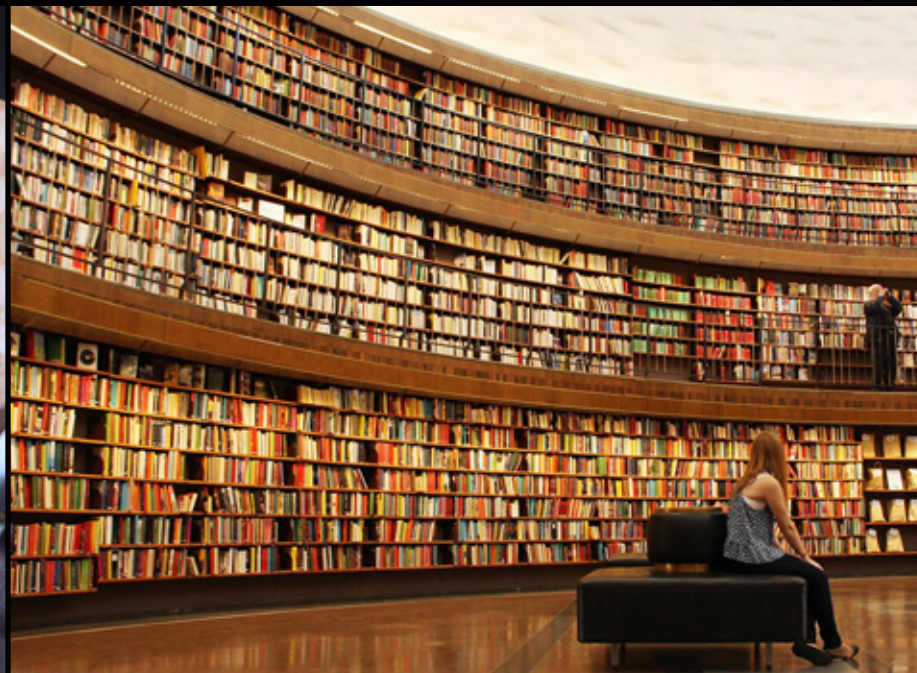


The School of Science and Engineering seeks to provide dynamic, integrated, and challenging degree programs designed for those whose experience is in industrial research, scientific production, engineering and the general sciences. Our system for research and education will keep us apace with the twenty-first century reach scientific advance in an environmentally and ecologically responsible manner to allow for the sustainability of the human population. We will foster among our students a demand for ethical behavior, an appreciation for diversity, an understanding of scientific investigation,

knowledge of design innovation, a critical appreciation for the importance of technology and technological change for the advancement of humanity.

Areas of Study: Mechanical Engineering, Industrial Engineering, Chemical Engineering, Civil Engineering, Electrical Engineering, Computer Engineering, Physics, Chemistry, Biology, Mathematics, Communications, Petroleum Science, Information Technology, Telecommunications, Nutrition Science, Agricultural Science, Computer Science, Sports Science, Renewable Energy, Geology, Urban Planning.

Online Library Resources



With access to a global catalog created and maintained collectively by more than 9,000 participating institutions, **AIU** students have secured excellent research tools for their study programs.

The **AIU** online library contains over 2 billion records and over 300 million bibliographic records that are increasing day by day. The sources spanning thousands of years and virtually all forms of human expression. There are files of all kinds, from antique inscribed stones to e-books, from wax engravings to MP3s, DVDs and websites. In addition to the archives, the library **AIU** Online offers electronic access to more than 149,000 e-books, dozens of databases and more than 13 million full-text articles with pictures included. Being able to access 60 databases and 2393 periodicals with more than 18 million items, guarantees the information required to perform the assigned research project. Users will find that many files are enriched with artistic creations on the covers, indexes, reviews, summaries and other information. The records usually have information attached from important libraries. The user can quickly assess the relevance of the information and decide if it is the right source.

Education in the 21st century

AIU is striving to regain the significance of the concept of education, which is rooted into the Latin “educare”, meaning “to pull out”, breaking loose from the paradigm of most 21st century universities with their focus on “digging and placing information” into students’ heads rather than teaching them to think.

For **AIU**, the generation of “clones” that some traditional universities are spreading throughout the real world is one of the most salient reasons for today’s ills. In fact, students trained at those educational institutions never feel a desire to “change the world” or the current status quo; instead, they adjust to the environment, believe everything is fine, and are proud of it all.

IN A WORLD where knowledge and mostly information expire just like milk, we must reinvent university as a whole in which each student, as the key player, is **UNIQUE** within an intertwined environment.

This century’s university must generate new knowledge bits although this may entail its separation from both the administrative bureaucracy and the faculty that evolve there as well.

AIU thinks that a university should be increasingly integrated into the “real world”, society, the economy, and the holistic human being. As such, it should concentrate on its ultimate goal, which is the student, and get him/her deeply immersed into a daily praxis of paradigm shifts, along with the Internet and research, all these being presently accessible only to a small minority of the world community.

AIU students must accomplish their self-learning mission while conceptualizing it as the core of daily life values through the type of experiences that lead

to a human being’s progress when information is converted into education.

The entire **AIU** family must think of the university as a setting that values diversity and talent in a way that trains mankind not only for the present but above all for a future that calls everyday for professionals who empower themselves in academic and professional areas highly in demand in our modern society.

We shall not forget that, at **AIU**, students are responsible for discovering their own talents and potential, which they must auto-develop in such a way that the whole finish product opens up as a flower that blossoms every year more openly.

THE AIU STANCE is against the idea of the campus as a getaway from day-to-day pressure since we believe reality is the best potential-enhancer ever; one truly learns through thinking, brainstorming ideas, which leads to new solutions, and ultimately the rebirth of a human being fully integrated in a sustainable world environment. Self-learning is actualized more from within than a top-down vantage point, that is to say, to influence instead of requesting, ideas more than power. We need to create a society where solidarity, culture, life, not political or economic rationalism and more than techno structures, are prioritized. In short, the characteristics of **AIU** students and alumni remain independence, creativity, self-confidence, and ability to take risk towards new endeavors. This is about people’s worth based not on what they know but on what they do with what they know.

Read more at: aiu.edu

AIU Service

AIU offers educational opportunities in the USA to adults from around the world so that they can use their own potential to manage their personal, global cultural development. The foundational axis of our philosophy lies upon self-actualized knowledge and information, with no room for obsolescence, which is embedded into a **DISTANCE LEARNING SYSTEM** based on **ANDRAGOGY** and **OMNIOLOGY**. The ultimate goal of this paradigm is to empower learners and help them take advantage of the enormous array of resources from the world environment in order to eliminate the current continuum of poverty and limitations.

This will become a crude reality with respect for, and practice of, human and community rights through experiences, investigations, practicum work, and/or examinations. Everything takes place in a setting that fosters diversity; with advisors and consultants with doctorate degrees and specializations in Human Development monitor learning processes, in addition to a worldwide web of colleagues and associations, so that they can reach the satisfaction and the progress of humanity with peace and harmony.

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