# 2022 WITSA Global Innovation and Tech Excellence Awards
## Nomination Form

The 2022 WITSA Global Innovation and Tech Excellence Awards *(*formerly known as *the Global ICT Excellence Awards*) will be presented to select individuals, academic institutions, corporations, NGOs or governments whose use and applications of digital technologies exhibit exceptional achievement within the following broad categories:

| Private Sector/NGO | Public Sector |
|---|---|
| Digital Opportunity/Inclusion Award | Digital Opportunity/Inclusion Award |
| Smart Cities Award | Smart Cities Award |
| Sustainable Growth/Circular Economy Award | Sustainable Growth/Circular Economy Award |
| Innovative eHealth Solutions Award | Innovative eHealth Solutions Award |
| Public/Private Partnership Award | Public/Private Partnership Award |
| E-Education & Learning Award | E-Education & Learning Award |
| Emerging Digital Solutions Award | Startup Ecosystem Award |

In addition, a *Chairman's Award* will be presented to a nominee selected from the entire pool of candidates from all award categories.

Candidates for these Awards are nominated by ICT experts from around the world who span over 80 countries/economies. The 2022 *WITSA Global ICT Excellence Awards* will take place in conjunction with the September 13-15, 2022 World Congress on IT in Penang, Malaysia (**https://wcit2022.com/**).

## Innovative eHealth Solutions Award

Award #1: Individuals, academic institutions, corporations, or NGOs
Award #2: Government authorities

Award Criteria- This Award recognizes Individuals, healthcare institutions, academic institutions, corporations, NGOs or governments that have made remarkable and successful efforts at utilizing ICTs as a tool to promote health and health care such as telehealth, mHealth (mobile health), eHealth or through eLearning, electronic health records, big data, legal frameworks, or social media. Solutions utilized may range from provision of information to keep citizens healthy, to support for public health in communities, care and support systems in health facilities, and from all the above the data needed to inform management and policymakers.

This award also recognizes any companies, individuals, NGOs or other entities who successfully develop or utilize information and communications technology, artificial intelligence, big data or other innovative technologies in the fight against COVID-19. Examples of solutions include vaccine distribution/logistics, vaccine digital certification or other telehealth apps, as well as technologies and solutions which enable productive and safe workspace in the “new normal”.

**YOUR NOMINEES (limit three nominations per award category)**. *Please specify whether the nominee(s) are for the private or public sector category*.

Private Sector

Nominee: Curie Ltd

Entry Name: C-POLAR Air Filter

**REASONS FOR NOMINATION** (NOTE: It is important that you make a detailed description of the nominee and why you think the nomination is justified. The absence of a detailed summary of qualifications as they *relate* to the above-mentioned award description will make it difficult for the awards committee to make an appropriate assessment of the candidate):

The COVID pandemic has exposed ~~our~~ weaknesses in air filtration methods. Current air filtration methods are ineffective at removing pathogens, have high maintaining cost, and release toxic substances harmful to humans. C-POLAR was invented to effectively prevent airborne transmission of COVID without creating any harmful side effects to human and the environment.

C-POLAR is an all-natural, plant-based, non-toxic, and biodegradable polymer. It has been designed to generate a strong positive polarity on surfaces without the use of harmful chemical or electricity and the C-POLAR air filter is capable to physically eradicate viruses and microbes using polarity. Since all viruses and microbes are negatively charged, they are attracted via C-POLAR's positive polarity and arrested upon contact. The negatively-charged virus or microbe is inactivated as C-POLAR tears away the envelope and breaks the protein membrane. Consequently, the protein envelope and protein membranes are then disintegrated, eradicating the virus or microbe.

C-POLAR is an invention combined with science and ICT. The development of the filter required precision in enhancement of distributing the positive polarity onto every millimeter of the filter surface itself. Their team had developed a wave measuring machine which allows them to measure the strength of polarity and to optimize the adequate level of polarity to counteract with viruses and microbes. Moreover, this machine also allowed the team to ensure the quality of the filters in production to ensure the level of polarity sustained on the filter is consistent and even.

C-POLAR has been tested and proven by various institutions, including the Czech Academy of Sciences, Harvard Medical School, Massachusetts General Hospital, Metropolitan University of Hong Kong, Tampere University, and the University of Minnesota, to be able to eradicate over 99.9% of viruses and bacteria within 5 minutes. It is more effective than any current air filtration methods and can inactivate 92 times more microbes than the required ISO standard. C-POLAR does not require extra energy input and does not release harmful substances.

The greatest attribute of the C-POLAR air filter is that it transforms any HVAC systems to become into a giant air purifier, by enabling the system with the ability to eradicate any harmful airborne pathogens. Currently, C-POLAR air filters are used in commercial buildings, hospitals, healthcare facilities and public transportation in Hong Kong, providing the utmost protection to the general public, allowing them to work and play in any indoor premises with peace of mind.

The application of C-POLAR technology is not only limited to air filters. Their team is developing IoT solutions to compliment the filter in monitoring and improving indoor air quality. The team also has developed a wide product range of consists of face masks, respirators, PPE, and normal clothing to be produced in the near future. .

**SUPPORTING INFORMATION**: Please send any supporting information to the address above, including information from candidate (i.e. excerpt from program description, web site print-out, press release, etc.)

Please find the document named “C-POLAR WITSA Supporting.pdf” for your reference. Thank you.

**NOMINEE CONTACT INFORMATION** (for award follow up and coordination)
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