

TEAP: Nomination Form

This form is to be completed by:

Parties nominating experts to the TEAP, Technical Options Committees (TOCs), or Temporary Subsidiary Bodies (TSBs)

Please provide a CV detailing the candidate's previous, relevant employment beginning with the most current one. Experience and expertise relevant to the Montreal Protocol are particularly important and a list of relevant publications is useful (do not provide copies of publications)

Please provide a short summary of the applicants' expertise and skills, as they relate to the position for which he/she is being nominated.

Dr. Abdelaziz is an assistant professor of thermofluids with more than 15 years of Research and Development (R&D) and project management experience in energy-efficient building technologies, sustainable energy production and utilization, alternative cooling and heating technologies, and alternative lower global warming refrigerants. He started his professional career at Oak Ridge National Laboratory (ORNL) in 2009 after obtaining his PhD in mechanical engineering from the University of Maryland, College Park. Ahmed also joined the US Department of Energy Building Technologies Office as a senior fellow (2012-2014). He led the building equipment research group at ORNL between 2014-2017 and was responsible for a diverse research program with an annual budget of \$18M. In September 2017, he moved to Dubai, UAE, and established CLEAT-Consulting, where he catered to global consulting and R&D services for green buildings. Dr. Abdelaziz actively collaborates with leading appliance and equipment manufacturers on developing advanced and state-of-the-art Heating, Ventilation, Air conditioning and refrigeration (HVAC&R) equipment. He is currently a member of the United Nations Ozone Secretariat Techno-economic Assessment Panel (TEAP) and a co-chair of its Refrigeration, Air Conditioning, and Heat Pump Technical Options Committee (RTOC). He is an active member of the American Society of Heating Refrigeration and Air Conditioning Engineering (ASHRAE). Omar is an internationally recognized expert. He received several awards, including the ASHRAE 2018 Best Technical Paper Award, the Technical Leadership Award at the Montreal Protocol 30th anniversary, the 12th IEA Heat Pump Conference Ritter Von Rittinger Award, the 2016 ASHRAE Distinguished Service Award, and the 2005 AIAA Best Paper Award in Terrestrial Energy. Finally, Abdelaziz has published over 100 peer-reviewed papers and holds several patents.

Position Nominated for:

Co-Chair for Refrigeration, Air Conditioning and Heat Pumps Technical Options Committee

Expert Information

Please provide full names rather than only acronyms or initials

| | | | |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------------------------------------|
| Title: | <input type="checkbox"/> Ms. | <input type="checkbox"/> Mr. | <input type="checkbox"/> Other: _____ |
| | <input type="checkbox"/> Professor | <input checked="" type="checkbox"/> Dr | |
| Name (underline family name): | Omar Abdelaziz Ahmed <u>Abdelaziz</u> | | |
| Employer / Organisation: | The American University in Cairo | | |
| Job Title: | Assistant Professor | | |
| Skype: | | | |
| Email: | omar_abdelaziz@aucegypt.edu | | |
| Web Site: | https://www.aucegypt.edu/fac/omar-abdelaziz-ahmed-abdelaziz | | |
| Nationality/ies: | Egypt & USA | | |

Applicant profile

Main Countries or Regions Worked or Experience in (with relevance to Montreal Protocol)

Dr. Abdelaziz worked at Oak Ridge National Laboratory in the USA on refrigerants and air conditioning related work in the USA. He then moved to the United Arab Emirates as a free-lance consultant for HVAC&R and energy efficiency.

Dr. Abdelaziz is currently working in Egypt as a professor at the American University in Cairo working on the state of the art in HVAC&R applications and buildings EE.

Dr. Abdelaziz has also done several works for international organizations including UN agencies to support refrigerant conversion projects and energy efficiency in Africa (Egypt, Morocco, SADEC region, and Uganda), Asia (Lebanon and Saudi Arabia), and Latin American (Argentina, Brazil, and Columbia),

Employment History and/or Relevant Experience

| | |
|----------------|--------------------------------------------------------------------------------------------------|
| 2020 – present | American University in Cairo – Assistant Professor, Department of Mechanical Engineering |
| 2020 – 2021 | GRFN Egypt – Managing Director |
| 2019 – 2020 | Zewail city of Science and Technology – Assistant Professor, Renewable Energy Program |
| 2017 – 2019 | Clean Energy Air and Water Technologies (CLEAT), F.Z.E – Managing Director |
| 2014 – 2017 | Oak Ridge National Laboratory – Group Leader, Building Equipment Research Group |
| 2012 – 2014 | U.S. Department of Energy – Senior Fellow, Building Technologies Office |
| 2009 – 2012 | Oak Ridge National Laboratory – R&D Staff, Building Technologies Research and Integration Center |

Confirmation by Nominating Government

This section must be completed by the national focal point of the relevant party.

Government: the Arab Republic of Egypt

Name of Government Representative: Dr. Ezzat Lewis

Signature: Ezzat Lewis Date: 05/05/2023

To be completed by the national focal point in the case of nomination by the party:

Has the matrix of needed expertise of TEAP been consulted?

<https://ozone.unep.org/science/assessment/teap/teap-expertise-required>

Yes No
✓

Has TEAP been consulted on this nomination?

Yes No
✓

PLEASE RETURN COMPLETED FORM TO: THE OZONE SECRETARIAT

ADDITIONAL INFORMATION - Expectations for members of TEAP, TOCs and TSBs

Work done for TEAP, its TOCs and TSBs is on a voluntary basis and does not receive any remuneration [funding for their time]. Members from A 5 countries may be funded for their travel (flight) and per diem (UN DSA) only to relevant meetings, based on needed participation and availability of funding. Members are expected to attend meetings, engage in discussions, and devote time to the preparation of reports including finding and reviewing information to respond to the tasks set out by the Parties, drafting and formatting reports or sections of reports, reviewing reports and preparing presentations. TOC members attend at least annual meetings of that TOC. TOC co-chairs also attend the annual TEAP meeting, and typically two meetings per year of the Montreal Protocol. TSB members attend meetings of the TSB and may be asked to attend up to two meetings of the Montreal Protocol, based on needed participation and availability of funding.

All meetings, correspondence and report writing are conducted in English so good ability to read English plus good command of spoken and written English are essential.

Basic computer literacy (Word, Excel, Power Point) for drafting and editing products is required. Advanced computer/ document formatting skills are an asset.

All appointed members of TEAP, TOCs or TSBs should provide a "Declaration of Interest" prior to a meeting and at least once a year. The DOIs are posted at the Ozone Secretariat website.

In submitting a CV to support a nomination, Parties may wish to provide a short summary of the applicants' expertise and skills, as they relate to the position for which he/she is being nominated, including the main countries or regions worked or experience in (with relevance to Montreal Protocol). Also please indicate if the nomination is in response to a specific category listed in the Matrix of Expertise published by TEAP <https://ozone.unep.org/science/assessment/teap/teap-expertise-required>

Once appointed, members of TEAP, TOCs or TSBs provide a "Declaration of Interest" (DOI) at least once a year and prior to the group's first meeting. Members provide updated DOIs within 30 days of any changes. The DOIs are posted on the Ozone Secretariat website.

Members review and agree to abide by TEAP's terms of reference, its code of conduct, operational procedures, and relevant decisions of the Parties as per Decision XXIV/8: <https://ozone.unep.org/node/1953>

Publications

Please give a list of relevant publications (do not attach)

(No need to fill this section if already provided with CV)

English Proficiency and computer skills

All meetings, correspondence and report writing are conducted in English so good command of English is essential. If English is not your mother tongue [native language] please describe briefly your proficiency to speak, read, and write in English. Basic computer literacy (Word, Excel, Power Point) for drafting and editing products is required and advanced computer skills are an asset.

Dr. Abdelaziz is fluent in English as demonstrated through his long list of publications, keynote lecture presentations, and public interventions. He has spent more than 10 years in the USA at various professional career levels and is capable of speaking, reading, and writing in English. His work on editing final products is evident through the publications of various TEAP task force reports including the 2022 RTOC Assessment report. In addition, Dr. Abdelaziz is very proficient with computer software including Microsoft tools (Word, Excel, and Power Point).

References

Please provide names of two persons who have worked with you on issues relevant to the Montreal Protocol

Ashley Woodcock
Bella Maranion

Confirmation and Agreement

I hereby confirm that the above information is correct and agree for review by the TEAP. I have no objection to this information being made publicly available. I also confirm that, if appointed, I will review and agree to abide by TEAP's terms of reference, its code of conduct, operational procedures, and relevant decisions of the Parties as per Decision XXIV/8: <https://ozone.unep.org/nodc/1953>

Signature: _____



Date: 05/06/2023