



award

ENI AWARD 2022

CANDIDATURE PROPOSAL - THESIS

Debut in Research: Young Talents from Africa

1. TITLE OF THE THESIS:

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2. UNIVERSITY AND DISCUSSION DATE:

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3. DEBUT IN RESEARCH: YOUNG TALENTS FROM AFRICA PRIZE SECTION:

Please select **one Prize only** (by crossing one box in the left column) and **one or more sub-topics describing** your research (in the right column).

<input type="checkbox"/> Energy Transition	<input type="checkbox"/> CO ₂ Management: <ul style="list-style-type: none"> <input type="checkbox"/> Carbon Capture technologies <input type="checkbox"/> Carbon Capture and Storage (CCS) <input type="checkbox"/> Carbon Utilization (CCU) technologies including conversion to e-fuels, production of polymers and chemicals, mineralization etc. <input type="checkbox"/> Carbon Dioxide Removal routs such as BECCS, DACS, biochar, enhanced weathering etc. <input type="checkbox"/> New H ₂ production technologies (blue, green and turquoise H ₂) <input type="checkbox"/> H ₂ transportation including LOHC, Ammonia etc. <input type="checkbox"/> New technologies to reduce the carbon footprint and improve energy efficiency in the production and transportation of natural gas (e.g. fugitive monitoring and prevention, sweetening, gas flaring reduction) <input type="checkbox"/> New technologies for management of H ₂ S associated with natural gas and for sulfur utilization <input type="checkbox"/> Fuel cells <input type="checkbox"/> Bio-fuels and related production processes <input type="checkbox"/> Other (please specify: _____)
<input type="checkbox"/> Energy Frontiers	<input type="checkbox"/> Renewable energy sources: <ul style="list-style-type: none"> <input type="checkbox"/> Photovoltaics <input type="checkbox"/> Concentrated Solar Power <input type="checkbox"/> Eolic <input type="checkbox"/> Geothermal <input type="checkbox"/> Hydroelectric <input type="checkbox"/> Waves/Tides/Currents <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Mechanical Energy Harvesting

	<input type="checkbox"/> Energy Management: <ul style="list-style-type: none"> <input type="checkbox"/> Smart Grids <input type="checkbox"/> Renewable Energy Efficiency (Solar Cooling, NZEB...) <input type="checkbox"/> Energy storage: <ul style="list-style-type: none"> <input type="checkbox"/> Electrical Storage <input type="checkbox"/> Thermal Storage <input type="checkbox"/> Mechanical Storage <input type="checkbox"/> Physical and chemical storage <input type="checkbox"/> Fuels and chemicals from solar energy <input type="checkbox"/> Nuclear Fusion <input type="checkbox"/> Other (please specify: _____)
<input type="checkbox"/> Advanced Environmental Solutions	<input type="checkbox"/> Environmental Monitoring <input type="checkbox"/> Environmental Protection <input type="checkbox"/> Environmental Remediation: <ul style="list-style-type: none"> <input type="checkbox"/> Urban area remediation & valorisation <input type="checkbox"/> Industrial area remediation <input type="checkbox"/> Oil spill remediation <input type="checkbox"/> Emerging contaminants and TENORM remediation <input type="checkbox"/> Groundwater remediation-innovative approaches and technologies <input type="checkbox"/> Marine littering <input type="checkbox"/> Ecosystem Restoration <input type="checkbox"/> Circular economy: <ul style="list-style-type: none"> <input type="checkbox"/> Plastic recycling <input type="checkbox"/> Waste recycling/valorisation (no waste to fuel) <input type="checkbox"/> Assets reuse <input type="checkbox"/> "Green" chemicals and polymers <input type="checkbox"/> Water treatment: <ul style="list-style-type: none"> <input type="checkbox"/> Wastewater treatment <input type="checkbox"/> Water harvesting <input type="checkbox"/> Water reuse <input type="checkbox"/> Desalination and brine management <input type="checkbox"/> Water purification <input type="checkbox"/> Produced water management <input type="checkbox"/> Nature Based Solutions <input type="checkbox"/> Other (please specify: _____)

4. **GUARANTOR OF THE CANDIDATURE** (Please note that he/she can be a different person from the thesis tutor):

SURNAME:	
FORENAME:	
AFFILIATION AND POSITION:	
ADDRESS OF THE ORGANISATION:	
TELEPHONE:	
E-MAIL:	
FAX:	

N.B.:

a. Candidatures must be compulsorily presented in English.

b. Documents downloaded from the web site: <https://www.eni.com/en-IT/scientific-research/eni-award.html>

must be sent to the Scientific Secretariat **before 26 NOVEMBER 2021 no later than 5.00 pm CET (Central European Time)**, as requested in the Official Announcement.

ENI AWARD SCIENTIFIC SECRETARIAT

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