

**Allegato alla domanda di partecipazione**  
**Curriculum formativo, didattico, scientifico e professionale del candidato**

**Dichiarazione sostitutiva di certificazioni**

(Art. 46, D.P.R. 28 dicembre 2000 n. 445)

**Dichiarazione sostitutiva dell'atto di notorietà**

(da sottoscrivere davanti all'impiegato addetto o da presentare o spedire con la fotocopia di un documento di identità)

(Art. 47, D.P.R. 28 dicembre 2000 n. 445)

Estremi del bando di selezione	Cod. 80A-23 D.R. 16.12.2023 n. 1485
Informazioni aggiornate al	24.04.2024
Nome e Cognome	G Viknash Shagar
Data di nascita	07.11.1988

Si raccomanda di indicare con precisione tutti gli elementi valutabili ai sensi del bando di selezione (aggiungere o togliere righe secondo necessità).

**Esperienza professionale**

Periodo	Ente	Principali attività e responsabilità
1 year	University of Calabria	<ol style="list-style-type: none"> <li>1. Simulation and analysis of the integration of Synthetic Inertia into the power system to improve transient and steady state behavior</li> <li>2. Development of Fast Reserve capability for the power system</li> <li>3. Submission of research finding to peer-reviewed international journals for publication</li> </ol>
3 years and 5 months	Gdynia Maritime University	<ol style="list-style-type: none"> <li>1. Power Quality assessment of Marine Electrical Systems</li> <li>2. Modeling and simulation of Shipboard power system</li> <li>4. Data collection, analysis and experimental validation of University training ship electrical system behavior</li> <li>4. Submission of research finding to peer-reviewed international journals for publication</li> </ol>
1 year	Rolls Royce Corporate Lab@Nanyang Technological University	<ol style="list-style-type: none"> <li>1. Involved in a Grid Compliance Research Project for Rolls Royce manufactured Generator and Gas Turbine system</li> <li>2. Submission of research finding to peer-reviewed international conference(s) for publication</li> </ol>

**Istruzione, formazione (es. titoli di studio, certificazioni professionali/linguistiche/informatiche)**

Data	Titolo / Principali tematiche	Ente
2015-2019	PhD (Maritime Engineering)	Australian Maritime College
2013-2014	MSc (Power Engineering)	Nanyang Technological University
2009-2013	BEng (Hons)(Electrical Engineering)	National University of Singapore

**Pubblicazioni / Convegni**

IAMU AGA 2015 conference article on <i>'Electro-technologies for energy efficiency and low carbon emission in maritime transport'</i>
ICMM 2016 conference article on <i>'A capacitor-clamped inverter based torsional oscillation damping method for electromechanical drivetrains'</i>
IEEE APEC 2016 conference article on <i>'Capacitor-Clamped inverter based transient suppression method for Azimuth thruster drives'</i>
IEEE SPEC 2016 conference article on <i>'Effect of load changes on Hybrid electric ship power systems'</i>
INVENTIONS open access journal, 2017, Issue on <i>'Effect of load changes on Hybrid shipboard power systems and energy storage as a potential solution: A Review'</i>
INVENTIONS open access journal, 2018, Issue on <i>'Frequency transient suppression in Hybrid electric ship power systems: A Model Predictive Control strategy for converter control with Energy Storage'</i>
IEEE PES GM 2015 conference article on <i>'Evaluation of Low Voltage Ride - Through capability of Synchronous generator connected to a grid'</i>
FRONTIERS IN ENERGY RESEARCH open access journal article, 2021, Issue on <i>'Comparative case study on oscillatory behaviour in power systems of marine vessels with high power converters'</i>
IEEE ACCESS open access journal article, 2021, Issue on <i>'Review of power quality issues in maritime microgrids'</i>

**Altre attività scientifiche**


**Ulteriori informazioni pertinenti**


Luogo, data e firma