

# CURRICULUM VITAE

## PERSONAL INFORMATION

**Name in Full** : Sudath Peiris Guluwita  
**Address** : 220/7A, Jaya Mawatha, Kadawatha  
Sri Lanka.  
**School Attended** : Vidyarthi College, Kandy  
**Date of Birth** : 12-06-1968  
**Sex** : Male  
**Nationality** : Sri Lankan  
**Civil Status** : Married  
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## EDUCATIONAL QUALIFICATIONS

- **B.Sc.** Engineering degree with **Second Class Honors division** in the field of *Materials Engineering* awarded by the University of Moratuwa, Sri Lanka.  
From 1991 to 1995
- **M. Sc.** degree in the field of *Materials Physics* awarded by the Postgraduate Institute of Science University of Peradeniya, Sri Lanka.  
From 1997 to 2000
- **MPhil** in the field of *Materials Science and Engineering* awarded by the University of Moratuwa, Sri Lanka in 2014.

## PROFESSIONAL EXPERIENCE

- **Senior Lecturer Grade I** at Department of Materials Science and Engineering, University of Moratuwa Sri Lanka (May 2020 – To date)
- **Senior Lecturer Grade II** at Department of Materials Science and Engineering, University of Moratuwa Sri Lanka (May 2014 – April 2020)
- **Lecturer Probationary** at Department of Materials Science and Engineering, University of Moratuwa Sri Lanka (July 2004 – April 2014)
- **Visiting lecturer**, Kothalawala Defence Academy, Rathmalana, Sri Lanka (2007 - 2008)
- **Visiting Lecturer**, Atomic Energy Authority, Colombo
- **Visiting lecturer** at Department of Materials Engineering, University of Moratuwa Sri Lanka (1999 - 2004)
- **Metallurgist/ Materials Engineer** at Engineering Division, Industrial Development Board Sri Lanka (1996 – 2004 June)
- **Temporary Instructor** at Department of Materials Engineering, University of Moratuwa (September 1995 – December 1995)

## MEMBERSHIP OF PROFESSIONAL BODIES

- Member (**Chartered Engineer**) - Institution of Engineers Sri Lanka (IESL) since 2010
- Member – Institute of Materials Engineers, Sri Lanka (IMES)

## TRAINING EXPERIENCES AND OTHER COURSES

- Six-months “on the job” training at Fukushima Steel Casting Company Ltd, **Japan** in the area of Electrical Melting Technology (Metal Casting)
- ISO qualification in Ultrasonic Testing Level 1 and Radiographic Testing Level 1
- Attended a Seminar on Total Quality Management in **Malaysia**
- ISO 9000:2001 Consultant Development Programme
- Certificate in Teaching in Higher Education (CTHE) conducted by University of Colombo Sri Lanka.

## PROFESSIONAL CONTRIBUTIONS

- Providing technical expertise as a member of Technical Evaluation Committee for Supplying, Installation & Commissioning of Laboratory Equipment for Metallurgy Laboratory at Industrial Development Board of Ceylon. (2019)
- Member of Establishment of Data Base for Metal Based Industry Sector by Ministry of Industry & Commerce, Resettlement of Protracted Displaced Persons, Co-operative Development and Vocational Training & Skills Development. (2019)
- Providing technical expertise as a working group committee member for Formulation of Sri Lanka Standards for Water Accessories (Service Valves & Ball Valves) at Sri Lanka Standards Institution. (2021)
- Providing consultancy and testing services to the industries and construction projects since 2010 to date. Some of the recently engaged industries and projects are listed in the following table.

<b>Project</b>	<b>Company/ Contractor</b>
<ul style="list-style-type: none"> <li>• Bandaranayake International Airport Development Project (BIADP)</li> </ul>	Taisei Corporation
<ul style="list-style-type: none"> <li>• Design and Construction of 1000 Housing Units at Stadiumgama.</li> <li>• Piling works for 300 Housing units at Obesekarapura</li> <li>• Piling Work for the Design Construction &amp; Finance of Balance Work for the Housing Units at Elliot Place, Borella.</li> <li>• Soil Investigation and Piling Work for design and Construction of 1000 Housing Units at Stadiumgama, Bluemandhal</li> <li>• Piling Works for Design, Construction &amp; Financing of Affordable Houses for Middle Income Category, Orugodawaththa.</li> </ul>	Access Engineering PLC
<ul style="list-style-type: none"> <li>• Proposed Engineering Design and Construction of High. Rise Office Complex at Sethsiripaya Premises -Sethsiripaya Stage III</li> <li>• Design &amp; Construction for Completion of Balance Work of 624 Housing Units at Colombage Mawatha</li> <li>• Central Expressway Project (Section 2 – Package D) From Madithiyawela to Kurunegala (From 69+500km to 78+000km)</li> <li>• Design and Construction of Buildings and Infrastructure Facilities for Faculty of Computing and Technology, University of Kelaniya</li> <li>• iRoad Project, Jaffna District, Northern Province</li> </ul>	Maga Engineering (Pvt.) Ltd.
<ul style="list-style-type: none"> <li>• Marina Square Mix Development at No. 250, Srimath Ramanathan Mawatha, Colombo 15 for M/S Harbour Village (Pvt.) Ltd.</li> <li>• Metro Colombo Solid waste Management project</li> <li>• Colombo Port City Development Project – Package 1B</li> <li>• Proposed Commercial Development Comprising of A 49 Storey Office Tower and A 5 Storey Shopping Mall at Havelock City</li> <li>• Main Contract works to Marina Square Mix Development at No. 250, Srimath Ramanathan Mawatha, Colombo 15 for M/S Harbour Village (Pvt.) Ltd.</li> </ul>	China Harbour Engineering Company Ltd
<ul style="list-style-type: none"> <li>• Construction of the Faculty of Nursing University of Sri Jayawardenapura</li> <li>• Central Expressway Project –Section 2, Package A</li> </ul>	Nawaloka Piling (Private) Limited
<ul style="list-style-type: none"> <li>• Design, Construction &amp; Finance of Housing Project at Kulasewanawatta, Kottawa.</li> <li>• Design &amp; Construction of Faculty of Allied Health Science, University of Ruhuna</li> <li>• Urban Regeneration Project – City of Colombo (URP – CC) Construction of Proposed Housing Project for Professionals at Pannipitiya</li> <li>• Construction of Central Market, Kurunegala.</li> </ul>	Sathuta Builders (Pvt.) Ltd.

Project	Company/ Contractor
<ul style="list-style-type: none"> <li>Office and Leisure Development Project for Galleface Properties Ltd. at 27/27A/27B Galleface Terrace, Colombo 03</li> <li>Fifteen Storied Medical Facility and Ors' Accomadation Building at Military Hospital Narahenpita</li> </ul>	AMTEK Engineering
<ul style="list-style-type: none"> <li>Dialog 50m Green Field Tower Lihiniwehera</li> <li>Dialog 70m Green Field Tower – Sinnappaduwa</li> <li>Dialog 60m Green Field Tower – Kohombana</li> <li>Mobitel 60m Green Field Tower – Hiriketiya</li> <li>Mobitel 60m GF Tower – Dambawinna</li> </ul>	Tantri Trailers (Pvt.) Ltd.
<ul style="list-style-type: none"> <li>Construction of Proposed Mixed Development for Ceylex Enclave (Pvt.) Ltd. Phase II, Stage II – Civil and Associated Works</li> <li>Marine Drive Hotel Project</li> <li>Construction of Central Expressway From Riloluwa (Ch:46+800Km) to Rangallepola (Ch:57+000Km)</li> </ul>	Tudawe Brothers (Pvt.) Ltd.
<ul style="list-style-type: none"> <li>Maha Ela Improvement – Reconstruction of Bridge No. 01 on Karadiyana, piliyandala Road (Sub Structure) – Zone 05, Package 16</li> <li>New Bridge Construction Project over Kelani River Bridge, Package 1 – Steel Bridge Section</li> </ul>	Sierra Construction Ltd
<ul style="list-style-type: none"> <li>Proposed Refurbishment Works of Existing Building qt R. Premadasa International Cricket Stadium, Colombo 10.</li> <li>Construction of 25 Bridges Project Kuwait Fund for Arab Economic Development (KFAED)</li> <li>Proposed Office and Leisure Development at Galle Face Terrace Colombo 03</li> </ul>	Sanken Construction
<ul style="list-style-type: none"> <li>Gampaha, Attanagalla and Minuwangoda Intergrated Water Supply Scheme (GAMIWSS)</li> <li>National Water Supply &amp; Drainage Board</li> </ul>	China Machinery Engineering Corporation

## PUBLICATIONS

- Chandima, A. M. B. and **Guluwita, S. P.** “*Effect of Carbon Black and Graphene Oxide Additions on Properties of Ordinary Cement Composites*” Full paper article selected for spriner.com 2021
- Chandima, A. M. B. and **Guluwita, S. P.** “*Effect of Carbon Black and Graphene Oxide Additions on Properties of Ordinary Cement Composites*” 11<sup>th</sup> International Conference on Sustainable Built Environment 2020, held on 10<sup>th</sup> – 12<sup>th</sup> December 2020 at Kandy, Sri Lanka
- Divanka, J. H. H. T., Dilrukshi, R. A. S. and **Guluwita, S. P.** “*Effect of Marine Environment on Corrosion of Mild Steel*” Young Members Technical Conference 2020, held on 29<sup>th</sup> October 2020 at the Institution of Engineers Sri Lanka, pp [127-132]
- Chandima, A. M. B. and **Guluwita, S. P.** “*A Review on Mechanical Propertiesn and Morphological Properties of Concrete with Graphene Oxide*” Book Chapter Springer Nature Full Paper Publication, ISSN 2366-2557, Lecture Notes in Civil Engineering, Volume 94, pp[129-140]  
[https://books.google.lk/books?hl=en&lr=&id=0gX-DwAAQBAJ&oi=fnd&pg=PA129&ots=Hx6iQh6SNG&sig=qRahlrCHCkhqRem43-1eUon-sUQ&redir\\_esc=y#v=onepage&q&f=false](https://books.google.lk/books?hl=en&lr=&id=0gX-DwAAQBAJ&oi=fnd&pg=PA129&ots=Hx6iQh6SNG&sig=qRahlrCHCkhqRem43-1eUon-sUQ&redir_esc=y#v=onepage&q&f=false)
- Chandima, A. M. B. and **Guluwita, S. P.** “*A Review on Mechanical Propertiesn and Morphological Properties of Concrete with Graphene Oxide*” 10th International Conference on Structural Engineering and Construction Management 2019, held on 12th – 14th December 2019 at Earl’s Regency Hotel, Kandy, Sri Lanka
- Perera, K. P. A. S. and **Guluwita, S. P.** April 2018, “*Study of Yield strength and Elongation Variations of Reinforcement Steel Bars (TMT bars) Manufactured Using Local Ingots*”, Journal of Institution of Engineers , Sri Lanka, Vol. LI, No. 02, pp 7-11.
- Wisumperuma, K. B., Hewawasamne, H. P. S. S., Weerakoon, W. M. B. M. B., Rohitha, L. P. S., and **Guluwita, S.P.** “*Production of High Quality Iron Pellets by Changing the Composition and firing*

- Conditions*” International Symposium on Earth Resources Management & Environment – ISERME 2018, organized by Department of Earth Resources Engineering, faculty of Engineering, University of Moratuwa, Sri Lanka, held on 24<sup>th</sup> August 2018 at Grand Monarch, Thalawathugoda, Sri Lanka, pp [61-68]
8. Vidanapathirana, Y.S, Perera, J.K.D.S., **Guluwita, S.P.** “*Optimization of Process Parameters on Yield Strength of QST Bars*” Peradeniya University International Research sessions 2015, held on 5<sup>th</sup> and 6<sup>th</sup> November 2015 at Faculty of Engineering University of Peradeniya, Sri Lanka
  9. Karunaratne, P.D.I.K., Udawatta, S.L. and **Guluwita, S.P.** “*Investigation of the relationship between the quenched layer depth and the mechanical properties of TMT Steel*” Annual session of IESL 2014, held at The Institution of Engineers Sri Lanka, pp [65-67]
  10. Karunaratne, P.D.I.K., Udawatta, S.L. and **Guluwita, S.P.** “*A study on the relationship between the quenched case thickness and the percentage elongation of the TMT reinforcing bars*” Wayamba International Conference – Win C 2014, held on 29<sup>th</sup>& 30<sup>th</sup> August 2014 at Wayamba University of Sri Lanka
  11. Sampath D.S., Udayakantha P.M.A.K. and **Guluwita, S.P.** “*Optimization of coconut shell charcoal content on the production of pellets from Buttala iron ore*” Wayamba International Conference – Win C 2014, held on 29<sup>th</sup>& 30<sup>th</sup> August 2014 at Wayamba University of Sri Lanka
  12. **Guluwita, S. P.**, Udawatta, S.L. and Karunaratne, P.D.I.K “*A study on the relationship between the martensite layer thickness and the yield strength of TMT reinforcing bars*” SAITM Research symposium on Engineering Advancements 2014, held on 26<sup>th</sup> of April 2014 at Faculty of Engineering, South Asian Institute of Technology and Medicine, Malabe, Sri Lanka.
  13. **Guluwita, S. P.**, Faizer, M.N.M., and Dharmarathne, G.H.T.D “*Analysis of the effect of plasma cutting on deformation of thin steel plate in hull construction*” SAITM Research Symposium on Engineering Advancements 2014, held on 26<sup>th</sup> of April 2014 at Faculty of Engineering, South Asian Institute of Technology and Medicine, Malabe, Sri Lanka.
  14. Kumara, D.R.D., **Guluwita, S. P.**, K.L.S. Weerasinghe, D.M.C.C.B. Ranaraja “*Production of High Quality Iron Ore Briquettes Using Coconut-Shell Charcoal and Aruwakkalu Lime*” RISTCON 2014, Ruhuna International Science and Technology Conference, held on 23<sup>rd</sup> January 2014 at Faculty of Science, University of Ruhuna, Sri Lanka.
  15. Dharmasiri, P. D. S. C., Aboonidhal, M. A., **Guluwita, S. P.**, Munasinghe, R. G. N. De. S and Fernando, W. L. W., 2009, *The effect of dolomitic lime and firing temperature on the properties of pellets produced from Dela iron ore*, 15<sup>th</sup> ERU symposium, University of Moratuwa, pp 148-150.
  16. R. M. Paranavithana, M. A. S. Shyamali, **S. P. Guluwita**, and W. L. W. Fernando, 2010, *The effect of Carbon and Firing Temperature sequence on CHICO mill-scale and its applications in metallurgy*, 16<sup>th</sup> ERU symposium, University of Moratuwa, pp 229-231.
  17. D.M.U.C Abewardhana, P.P Gunasekara, **S.P Guluwita**, R. G. N. De. S. Munasinghe and W. L. W. Fernando, 2010, *Reduction of Iron Ore Pellets using Coke Bed Technique*, 16<sup>th</sup> ERU symposium, University of Moratuwa, pp 232-235.
  18. S Gobikrishna, E Raguratnam, **S P Guluwita**, R. G. N. De. S. Munasinghe and W. L. W. Fernando, 2010, *Magnetic Induction Assisted Levitation of Metallized Particles in Sintered Dela Iron Ore Pellets*, 16<sup>th</sup> ERU symposium, University of Moratuwa, pp 223-225.
  19. **S. P. Guluwita**, R. G. N. De. S. Munasinghe and W. L. W. Fernando, , January 2011, *Review study of historical Iron and Steel making in Sri Lanka and its future trends*, Jurnal of Institution of Engineers , Sri Lanka, Vol. XXXIV, No. 01, pp 43-51.
  20. DRD Kumara, PSP Rupasinghe, and **S. P. Guluwita**, 2013, *The Effect of Aruwakkalu Lime and the Firing Temperature on the Properties of Buttala Magnetite Iron Ore Pellets*, Annual International Research Symposium 2013, KDU