**New Zealand MBIE Curriculum Vitae**

**Akshay Raj Gollahalli**

**PART 1**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1a. Personal details** | | | | | | | | | |
| **Full name** | *Title*  Mr | | *First name*  Akshay Raj | | *Second name(s)* | | | *Family name*  Gollahalli | |
| **Present position** | | | | PhD Student | | | | | |
| **Organisation/Employer** | | | | Auckland University of Technology | | | | | |
| **Contact Address** | | KEDRI, 701, Level 7, AUT Tower, Auckland University of technology, | | | | | | | |
| cnr Rutland and Wakefield Street, Auckland, New Zealand | | | | | | | |
|  | | | | | **Post code** | | 1010 |
| **Work telephone** | | 09 921 9526 | | | | **Mobile** | 021 039 3363 | | |
| **Email** | | em8273@aut.ac.nz | | | | | | | |
| **Personal website (if applicable)** | | <https://www.gollahalli.com> | | | | | | | |

|  |
| --- |
| **1b. Academic qualifications** |

* **2016, PhD Student,** KERDI, Auckland University of Technology, New Zealand.
* **2013-2015, Master of Computer and Information Science**, Auckland University of Technology, New Zealand.
* **2007-2011, Bachelor of Technology and Engineering,** Ferdowsi University of Mashhad, Iran

|  |
| --- |
| **1c. Professional positions held** |

* **2015- 2019, Research Assistant**, KEDRI, Auckland University of Technology.
* **2015, Technical Support**, KEDRI, Auckland University of Technology.
* **2016 – 2018, Teaching Assistant**, Auckland University of Technology.
* **2014 – 2015, Customer Care**, Sky Network Television Limited
* **2013 – 2013, Systems Engineer**, Cheminnova Group of Companies – India

|  |
| --- |
| **1d. Present research/professional speciality** |

Artificial Intelligence, Neuroinformatics, Spatio-temporal brain data analysis, Computational neuroscience, pattern recognition, stock market/foreign exchange predictions and Neuromorphic Systems

|  |  |
| --- | --- |
| **1e. Total years research experience** | 4 years |

|  |
| --- |
| **1f. Professional distinctions and memberships (including honours, prizes, scholarships, boards or governance roles, etc)** |

* 2007 – Present IEEE Student member
* 2018, KEDRI Stipend Scholarship Award
* 2016 – 2018. KEDRI Tuition Fee Scholarship
* 2016, Dean’s award for excellence in postgraduate Studies, AUT University
* 2013, Lead Blood Donor, Lions club, India

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **1g. Total number of *peer reviewed* publications and patents** | Journal articles | Books | Book chapters, books edited | Conference proceedings | Patents |
| 1 |  | 2 | 1 |  |

**PART 2**

|  |
| --- |
| **2a. Research publications and dissemination** |

|  |
| --- |
| Peer-reviewed journal articles |
| 1. Ravi V. Sengupta N. Gollahalli A. R. Khansama, R. and N. Kasabov. A combined adaptive neural network and nonlinear model predictive control for multirate networked industrial process control. IEEE Transactions on Neural Networks and Learning Systems, 2017. |
| Peer reviewed book chapters, books edited |
| * + - 1. Sengupta, N., Espinosa Ramos, I., Tu, E., Marks, S., Scott. N., Weclawski, J., **Gollahalli, A.,** Gholami Doborjeh, M., Doborjeh, Z. G., Kumarasinghe, K., Breen, V., Abbott, A. (**2018).** “From von Neumann architecture and Atanasoff’s ABC to Neuro-morphic Computation and Kasabov’s NeuCube: Principles and Implementations”, in Learming Systems from Theory to Practice, Series on COMPUTATIONAL INTELLIGENCE, Springer, Heidelberg, DOI:10.1007/978-3-319-75181-8.  1. Maryam Gholami Doborjeh, Zohreh Gholami Doborjeh, Akshay Raj Gollahalli, Kaushalya Kumarasinghe, Vivienne Breen, Neelava Sengupta, Josafath Israel Espinosa Ramos, Reggio Hartono, Elisa Capecci, Hideaki Kawano, et al. From von neumann architecture and atanasoff’s abc to neuromorphic computation and kasabov’s neucube. part ii: Applications. In Practical Issues of Intelligent Innovations, pages 17–36. Springer, 2018. |
| Refereed conference proceedings |
| * + - 1. Akshay Raj Gollahalli and Nikola Kasabov. Eegrotor: A virtual quad-copter based on brain computer interface. In *13th International Conference on Neuro-Computing and Evolving Intelligence 2015 (NCEI ‘15)*, Auckland, 2015. |