Curriculum vitae

Amir Hossein Yazdavar
Ohio Center of Excellence in Knowledge-enabled Computing (Kno.e.sis),
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EDUCATION

- 2015-present, Wright State University, Researcher, Ohio Center of Excellence in Knowledge-enabled Computing (Kno.e.sis)

  Ph.D., Computer Science
- 2012-2013**,** Universiti Teknologi Malaysia (UTM), Faculty of Computing, Johor, Malaysia

  M.Sc., Computer Science

  Thesis: 'Fuzzy Based Implicit Sentiment Analysis on Quantitative Sentences in Drug Reviews' (link)

  GPA: 3.95/4 (2nd place among all M.Sc. students of Computer Science)
- 2006 - 2011, Shiraz University, Faculty of Computer and Electrical Engineering, Shiraz, Iran

  B.S, in Computer Science

RESEARCH INTERESTS

- Text Mining
- Information Retrieval
- Machine Learning Algorithms (Supervised & Unsupervised approach)
- Knowledge Engineering
- Information Extraction
- Sentiment Analysis
- Social Media Analysis

TEACHING EXPERIENCE

- Lecturer in Bahonar Technical and Engineering college, Shiraz, Iran (Fall 2014)

RESEARCH EXPERIENCE

- **2015-present,** Researcher, Ohio Center of Excellence in Knowledge-enabled Computing (Kno.e.sis) Project link

- **2012-2013,** Universiti Teknologi Malaysia (UTM) Faculty of Computing, Johor, Malaysia

  Research assistance in New Implicit Opinion Mining Model for Drug Effectiveness and Side Effect Recognition in Medical Reviews. (Vote no: R.J130000.7828.4F373, RM81000)

- **2010-2011,** Innovation Center of Shiraz University, Shiraz, Iran

  3D Scanners, Stereo matching, Segmentation, 3D Reconstruction, Image processing

HONORS

- Ranked Top 1% among over 300,000 participants in a nationwide universities entrance exam for undergraduate education , 2006

- Ranked 2nd place among all M.Sc. students of Computer Science,2013

PUBLICATIONS

Journals

1. Iraj Sadegh Amiri, Monireh Ebrahimi, ***Amir Hossein Yazdavar***, S. Ghorbani, S. E. Alavi, Sevia M. Idrus, J. Ali, "Transmission of Data with OFDM Technique for Communication Networks Using GHz Frequency Band Soliton Carrier", IET Communications Journal (IEEE) (Published) (WOS & Scopus Indexed, Impact Factor: 0.64)

2. Elnaz Akbari, Zolkafle Buntat, Aria Enzevaee, Monireh Ebrahimi, ***Amir Hossein Yazdavar***, Rubiyah Yusof, "Analytical Modelling and Simulation of I-V Characteristics in Carbon Nanotube Based Gas Sensors Using ANN and SVR Methods", Chemometrics and Intelligent Laboratory Systems Journal, (Elsevier), (Published) (WOS & Scopus Indexed, Impact Factor: 2.291)

3. ***Amir Hossein Yazdavar***, Monireh Ebrahimi, Naomie Salim, "Fuzzy Based Implicit Sentiment Analyses on Quantitative Sentences in Drug Reviews", Journal of Soft Computing and Decision Support Systems, (Submitted)

4. Monireh Ebrahimi, ***Amir Hossein Yazdavar***, Naomie Salim, "Recognition of Side Effects as Implicit-Opinion Words in Drug Reviews", Journal of Soft Computing and Decision Support Systems, (Submitted)

5. E.Tonnizam Mohamad, D. Jahed Armaghani, E. Momeni***, Amir Hossein Yazdavar***, Monireh *Ebrahimi*, "Prediction of Uniaxial Compressive Strength of Sandstone Based on PSO-BP Neural Network", European Journal of Environmental and Civil Engineering (Taylor), (under revision) (WOS & Scopus Indexed, Impact Factor: 0.437)

COMPUTER SKILLS

- General Skills

  Programming: JAVA, PYTHON (Scikit-learn, Pandas), C, MATLAB, MySQL, JSP, JavaScript
  Operating System: Windows, Linux

  Text Editor: Microsoft Office Word, Latex

- Professional Research Skills

  Machine Learning Algorithms & Tools: Neural Network, Particle Swarm Optimization, Genetic Algorithm, FUZZY models, Linear Regression, Logistic Regression, Random Forest, Topic Modeling, LDA, Latent Semantic Analysis

  Semantic Technologies: RDF, OWL, Ontology, SPARQL

  Natural language Processing Tools: GATE (General Architecture for Text Engineering), Lucene, LIWC, NLTK

RELEVANT COURSES

- Semantic Web
- Information Retrieval
- Machine Learning
- Advanced Artificial Intelligence
- Advanced Algorithm Design
- Advanced Database Systems

PROFESSIONAL REFERENCES

- Prof. Amit Sheth

  Founder & Executive Director, Kno.e.sis Center

  Department of Computer Science & Engineering

  Wright State University 3640 Colonel Glenn Hwy, Dayton, OH 45435

  amit@knoesis.org

- Prof. Krishnaprasad Thirunarayan

  Professor, Department of Computer Science & Engineering

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