PERSONAL INFORMATION

Mourad Elsayed Khalil Ahmed KENK (Ph.D. Computer Science)

Hurghada Faculty of Computers and Artificial Intelligence, South Valley University, Egypt.
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Nationality Egyptian

Date of birth 20/09/1984

Sex Male

Marital state Married

(2020 – NOW)
- Assistant Professor, Computer Science Department, Hurghada Faculty of Computers and Artificial Intelligence, South Valley University, Hurghada, Egypt.
- Lecturer, ITI, AI-Pro (Applied Mathematics). “Certified from EPITA TTT AI”.
- Instructor, Huawei Academy NTI, AI track. “Certified from Huawei HCIA AI”.

(FALL 2016 – 2019)
- Assistant Lecturer, Computer Science Department,
Faculty of Computers and Information, South Valley University, Luxor, Egypt.

(FALL 2015 – 2019)
- Assistant Lecturer, Mathematics and Computer Science Department,
Faculty of Science, South Valley University, Qena, Egypt.

(FALL 2006 – 2014)
- Teaching Assistant, Mathematics and Computer Science Department,
Faculty of Science, South Valley University, Qena, Egypt.

EDUCATION AND TRAINING

EDUCATION

(2015–2020)
Advisors:
Ph.D. Thesis Title:
- PhD in Computer Science, Faculty of Science, South Valley University, Qena, Egypt.
Prof. M. Hassaballah and Prof. A. S. Abd elrady (South Valley University)
Prof. I. Mahmoud Elhenawy (Zagazeg University)
Intelligent Visual Surveillance For Road Vehicles And Mobile Robots.

(2012–2015)
Advisors:
Master Thesis Title:
- MSc in Computer Science, Faculty of Science, South Valley University, Qena, Egypt.
Prof. M. Hassaballah and Prof. A. S. Abd elrady (South Valley University)
Automatic Detection Of Human Face Under Different Imaging Conditions .

(2001–2005)
- BSc in Computer Science, Faculty of Science, South Valley University, Qena, Egypt.
{Ranked first among the entire faculty of Science, Mathematics Department (Computer Science students in year 2005)}.

TRAINING

(SEPT 2018 –SEPT 2019)
- Visiting researcher at laboratory GREAH (Group Research in Electrical Engineering and Automation Le Havre) – ISEL (Internal School of Engineering in Logistics) (PIL), Le Havre Normandy University, Le Havre, France. Working on: **Logistics Robotics To Develop A Picking Application In Logistics Warehouse**.
with Prof. Jean-Francois Brethé.

(MAY – OCT 2017)
- Visiting researcher at laboratory GREAH (Group Research in Electrical Engineering and Automation Le Havre) – ISEL (Internal School of Engineering in Logistics) (PIL), Le Havre Normandy University, Le Havre, France. Working on: **Human-Aware Robot Navigation In Logistics Warehouses**.
with Prof. Jean-Francois Brethé.

PERSONAL SKILLS

Mother tongue(s): Arabic

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
ENGLISH	48	47	44	44	44
	TOEFL ITP (Total Score 463).				
DEUTSCHE	A1	A1	A1	A1	A1
	Deutschlehrzentrum (DLZ) South Valley University				

Communication skills

- Effective communication skills.

Organisational / managerial skills

- leadership (responsible for a team of 5 employees in E-Learning centre) 2007 - 2011

Job-related skills

- Strong creative & innovative ability.
- Effective communication skills.
- Well versed with the computer languages & the basic concepts.

Computer skills

- Programming Language C/C++, Python, MATLAB.
- Robot Operating System (ROS).
- OpenCV, Point Cloud Library (PCL).
- IDE vim/gcc, Microsoft Visual Studio 2008/2010-2015.
- Type Setting LATEX, Microsoft Office, Liber Office.
- Operating System UNIX, Linux (Ubuntu), Microsoft Windows.
- 3D visualizations using Blender, 3D simulation using Gazebo.
- Gimp, Photoshop and good command of photo editing as an amateur photographer.

Other skills

- Draw Portraits using graphite Pencils .
- Create inspiring digital creations from hand drawn sketch using Adobe Photoshop.
- Interested in Architectural Photography, Nature Photography, and articles relating to the theory and methodology of composing and/or taking photographs, or to their manipulation.
- Synergistic Damaged Skin in Digital images and Applying Digital Face-Makeup using Photoshop.
- Make Origami Items (Simple and Complex items).
- Tennis, karate, basketball, swimming, and soccer.

Scientific activities

Reviewer

- IEEE Transactions on Intelligent Transportation Systems.
- Autonomous Robots (AURO). (Springer Verlag).
- IET Image Processing. (Institution of Engineering and Technology).
- Journal of Real-Time Image Processing. (Springer Verlag).
- Machine Vision and Applications.(Springer Verlag).
- Patterns Analysis and Applications. (Springer Verlag).
- Pattern Recognition Letters (Elsevier).
- IET Electronics Letters. (Institution of Engineering and Technology).
- Engineering Science and Technology, an International Journal (Elsevier).

Program Committee

- Recent Advances in Computer Vision:Theories and Applications. (Springer Verlag) RACV-2018.
- Deep Learning in Computer Vision: Theories and Applications. (Springer Verlag) DLCV-2019.
- The 10 th international Conference of Informatics and Systems, INFOS-2016, Cairo, Egypt.
- The 23rd World Multi-Conference on Systemics, Cybernetics and Informatics: WMSCI-2019, Orlando, Florida, USA.

REFERENCES

- Prof. Jean-Francois Brethé (Professor of Robotics).
  Le Havre Normandie University, Le Havre, France.
  Electrotechnics and Automatics Research Group (GREAH), Le Havre, France .
  Institut supérieur d'études logistiques (ISEL-PIL), Le Havre, France.
  Email: jean-francois.brethe@univ-lehavre.fr

- Prof. Mahmoud Hassaballah Mahmoud (Associate Professor of Computer Science).
  Faculty of Computers and Information, South Valley University, Qena, Egypt.
  Email: m.hassaballah@svu.edu.eg

- Prof. Kamal El-Saady (Professor of Mathematics)
  Faculty of Science, Mathematics Department, South Valley University, Qena. Egypt.
  Email: el-saady@lycos.com

Publications

Journals

- M. Hassaballah, **Mourad A. Kenk**, Khan Muhammad, and Shervin Minaee. "Vehicle Detection and Tracking in Adverse Weather Using a Deep Learning Framework**"**, IEEE Transactions on Intelligent Transportation Systems, Volume: 22, Issue: 7, 4230 – 4242, July **2021**). DOI:10.1109/TITS.2020.3014013.
- M Hassaballah, **Mourad A Kenk**, Ibrahim M El-Henawy "Local binary pattern-based on-road vehicle detection in urban traffic scene". Pattern Analysis and Applications. Vol. 23 (1505–1521) (**2020)**. DOI: 10.1007/s10044-020-00874-9.
- M. Hassaballah, **Mourad A. Kenk**, Ibrahim M. Elhenawy. "On-Road Vehicles Detection using Appearance and Texture Information". Egyptian Computer Science Journal. Vol. 43 No.1. ISSN-1110-2586. (**2019**).
- **Mourad Ahmed**, M. Hassaballah, Yasser Salama Hassan, A. H. Abd Ellah and A. S. Abdel Rady. "A Probabilistic Framework for Robust Face Detection", Applied Mathematics & Information Sciences, volume 9, No 2, pages 1037-1047, **2015**.

Conferences

- **Mourad A. Kenk**, M. Hassaballah, Mohamed Abdel Hameed and Saddam Bekhet. "Visibility Enhancer: Adaptable for Distorted Traffic Scenes by Dusty Weather", In Proceedings of the 2nd Novel Intelligent and Leading Emerging Sciences (NILES 2020) conference, Giza, Egypt, October 24-30, IEEE. (**2020**).
- Saddam Bekhet, M. Hassaballah, **Mourad A. Kenk**, Mohamed Abdel Hameed . "An Artificial Intelligence Based Technique for COVID-19 Diagnosis from Chest X-Ray", In Proceedings of the 2nd Novel Intelligent and Leading Emerging Sciences (NILES 2020) conference, Giza, Egypt, October 24-30, IEEE. (**2020**)
- Wafae SEBBATA, **Mourad A. Kenk**, and Jean-François Brethé. "An adaptive robotic grasping with a 2-finger gripper based on deep learning network". In Proceedings of the 25th Annual *Conference* on Emerging Technologies and Factory Automation. IEEE, Vienna, Austria, (**2020**)
- **Mourad A. Kenk**, M. Hassaballah and Jean-François Brethé. "Human-aware Robot Navigation in Logistics Warehouses", In Proceedings of the 16th International Conference on Informatics in Control, Automation and Robotics, Prague, Czech Republic. Vol. 2. pp. 371-378. DOI:10.5220/0007920903710378. (**2019**)
- Hammam A Alshazly, M Hassaballah, **Mourad Ahmed**, Abdelmgeid A Ali. "Ear biometric recognition using gradient-based feature descriptors". In Proceedings of the International conference on advanced intelligent systems and informatics. 435-445. (**2018**).
- M. Hassaballah, **Mourad Ahmed**. "On using Hough forests for robust face detection", IEEE International Conference on Image Processing (ICIP 2014), Oct. 27-30, Paris, France,**2014**.
- M. Hassaballah, **Mourad Ahmed** and H.A. Alshazly. "Effect of Hough Forests Parameters on Face Detection Performance: An Empirical Analysis", The 9th IEEE International Conference on Computer Engineering and Systems, (ICCES **2014**), Dec. 21-23, Cairo, Egypt.

Books & Chapters

- M. Hassaballah and **Mourad Ahmed**. "A random decision forests approach to face detection", Computational Modeling of Objects Presented in Images. Fundamentals, Methods, and Applications, Lecture Notes in Computer Science Volume 8641, pp.375-386, **2014.**