

STAFF HANDBOOK

CURRICULUM VITAE

PERSONAL INFORMATION

Surname, Name : Kayansayan, Nuri
Nationality : T.C.
Date and Place of Birth : 04.December 1950, İzmir
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EDUCATION

Degree	Institution	Year of Graduation
Prof. Dr.	DEU Department of Mechanical Engineering	1992
Assoc. Prof. Dr.	DEU Department of Mechanical Engineering	1986
Assist. Prof. Dr.	DEU Department of Mechanical Engineering	1982
Ph.D.	The Ohio State, Department of Mechanical Engineering	1978
M.Sc.	MIT, Department of Mechanical Engineering	1974
B.Sc.	Technical University, Department of Mechanical Engineering	1971

WORK EXPERIENCE

Year	Place	Enrollment
March 2015-present	NEU, Department of Mechanical Engineering	Professor
2007-2015	DEU, Department of Mechanical Engineering	Head, Thermodynamics
2006-2007	MSU, Department of Mechanical Engineering(USA)	Fixed term, Professor
2002-2006	DEU, Department of Mechanical Engineering	Professor
2001-2002	Robert-Morris University(USA)	Fixed term, Professor
1998-2001	DEU, Department of Mechanical Engineering	Professor
1997-1998	MSU, Department of Mechanical Engineering(USA)	Fixed term, Professor
1992-1997	DEU, Department of Mechanical Engineering	Professor

PUBLICATIONS IN INTERNATIONAL REFEREED JOURNALS (IN COVERAGE OF SSCI/SCI-EXPANDED AND AHCI):

- **Kayansayan, N., and Acar, M. A.,** “Ice formation around a finned-tube heat exchanger for cold thermal energy storage”, **Int. J. of Thermal Sciences**, Vol.45, pp 405-418, 2006.
- **Kayansayan, N., and Kucuka, S.,** “Impingement Cooling of a Semi-Cylindrical Concave Channel by Confined Slot-Air-Jet”, **Experimental Thermal and Fluid Science**, Vol. 25, no.6, pp 383-396, 2001.

- **Kayansayan, N.**, “Thermal Design Method of Bayonet-Tube Evaporators and Condensers”, **Int. J. Refrig.**, Vol. 19, no.3, pp 197-207, 1996.
- **Kayansayan, N.**, “Heat Transfer Characterization of Plate-Fin-Tube Heat Exchangers”, **Int. J. Refrig.**, Vol. 17, no.1, pp 49-57, 1994.
- **Kayansayan, N.**, “Thermal Characteristics of Natural Convection Cooled Fin-Tube Heat Exchanger”, **Experimental Thermal and Fluid Science**, Vol. 7, pp 177-188, 1993.
- **Kayansayan, N.**, “Heat Transfer Characterization of Flat Plain Fins and Round Tube Heat Exchangers”, **Experimental Thermal and Fluid Science**, Vol. 6, pp 263-272, 1993.
- **Kayansayan, N.**, “Heat transfer characterization of plate-fin-tube heat exchangers, Heat Recovery Systems and CHP, 13(1), 1993, 67-77.
- **Kayansayan, N.**, and **Karabacak, R.**, “Natural Convection Heat Transfer Coefficients for a Horizontal Cylinder with Vertically Attached Circular Fins”, **J. Heat Recovery Systems & CHP**, Vol. 12, no.6, pp 457-468, 1992.
- **Kayansayan, N.**, “Thermal Behavior of Heat Exchangers at Sub-design Conditions”, **Int. J. Refrig.**, Vol. 12, pp 188-193, 1989.
- **Kayansayan, N.**, “Thermal behavior of heat exchangers in off-design conditions”, **Heat Recovery Systems and CHP**, 9(3), 1989, 265-273.
- **Kayansayan, N.**, “Mean Heat Flux Concept in Evaporator Design”, **Int. J. Refrig.**, Vol. 11, pp 46-51, 1988.
- **Kayansayan, N.**, “The Gravity Assisted Heat Pipe with Application to Concrete Shell Steam Condensers”, **J. Heat Recovery Systems**, Vol. 6, no. 5, pp 389-397, 1986.

BULLETING PRESENTED IN INTERNATIONAL ACADEMIC MEETINGS AND PUBLISHED IN PROCEEDINGS BOOKS:

- **Kayansayan, N., Ezan, M.A., Alptekin, E., Yildiz, A.**, Experimental Analysis of Refrigerated Truck Thermal Behavior, 10th Int. Conference on Heat Transfer, Fluid Mechanics, and Thermodynamics, Orlando, Florida, 2014.
- **Kayansayan, N., Ezan, M.A., Alptekin, E.**, Flow and Thermal Characteristics of Airflow Inside a Refrigerated Container, 10th Int. Conference on Heat Transfer, Fluid Mechanics, and Thermodynamics, Orlando, Florida, 2014.
- **Han, L. S., Kayansayan, N., Dantzer, C. W.** “Impingement Cooling of Turbine Airfoils by Multiple Two Dimensional Jets”, **Int. Gas Turbine Congress**, 83-Tokyo-IGTC-10, pp 74-82, Japan, 1983.

BOOKS

- **Kayansayan, N.**, “Thermodynamics, *Principles and Applications*”, ISBN: 978-605-133-493-6, **Nobel publications**, Ankara, April 2013.

- **Kayansayan, N.**, “Thermal Characteristics of Natural Convection Cooled Fin-Tube Heat Exchangers”, *Book section, Experimental Heat Transfer, Fluid Mechanics, and Thermodynamics*, Vol. 1, 1993.

COURSES GIVEN (*from 2010 to 2014*)

<i>Doctorate</i>	<i>Master</i>	<i>Undergraduate</i>
Advanced computational methods	Advanced fluid dynamics	Thermodynamics I
Computational Fluid Dynamics and applications	Radiative heat transfer	Thermodynamics II
	Convective heat transfer	Heat Transfer I
	Numerical methods in heat transfer	Heat transfer II
	Environmental Thermal Comfort	Fluid mechanics
		Heat exchangers
		Principles of refrigeration

UNDERTAKEN PROJECTS

- 2013-Present – Researcher - ***New Generation Vehicle External Lighting System with Condensation Prevention***, This project is financially supported by the Ministry of Science Industry and Technology of Turkey and has a budget of \$254,204.00 with 2 years of duration
- 2012-2014 – Project Supervisor – ***Aerodynamics and Heat Transfer Characteristics of Refrigerated Trucks***, This project was financially supported by the Ministry of Science Industry and Technology of Turkey and had a budget of \$200,000.00 with 2 years of duration. The project is completed
- 2011-2013 – Consultant – ***Renovation of Climatic Test Room and Testing of a Railway Passenger Carrier***, TEYDEB project supported by TUBITAK.

CONFERENCE ORGANIZATION

- *Assistant of President of the Conference* - National Aerospace Engineering Congress, held in September 2010, September 2008, September 2006, Ankara, Turkey
- *Assistant of President of the Conference* – Third World Conference on Experimental Heat Transfer, Fluid Mechanics, and Thermodynamics, October 1993, Hawaii