

**The Art of Doing Computer Science and Engineering:  
The Hamming Way**

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**CS 491: Senior Design Project I**

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**Abstract**

What can we say about CS491-492 projects and project groups? What is the Hamming way of doing science and engineering? Are luck and coincidences important in your work? What kind of coincidences did David Patterson, Claude E. Shannon and Erdal Arıkan have in their lives and research? What was the important coincidence in my life? Can reading the Mustafa İnan novel of Oğuz Atay change your life? What will happen to you in the future?

**References**

1. Oğuz Atay. *Bir Bilim Adamının Romanı Mustafa İnan*. İstanbul: İletişim Yayınları, 2001.
2. Peter J. Denning. The forgotten engineer. *Commun. ACM*. Vol. 60, No. 12: 20-23, 2017.
3. Richard W. Hamming. *The Art of Doing Science and Engineering: Learning to Learn*. The Netherlands: Gordon and Breach Science Publishers, 1997. Also see youtube for his lectures such as: <https://www.youtube.com/watch?reload=9&v=AD4b-52jtos>
4. Mustafa İnan. *Prof. Dr. Mustafa İnan: Konferansları, Makaleleri ve Konuşmaları*. İstanbul: İTÜ, 1987.