

به نام خداوند جان و خرد

زبان انگلیسی برای مهندسان برق

تهیه و ارائه

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In the name of GOD

English for
Electrical Engineers

Prepared and presented by

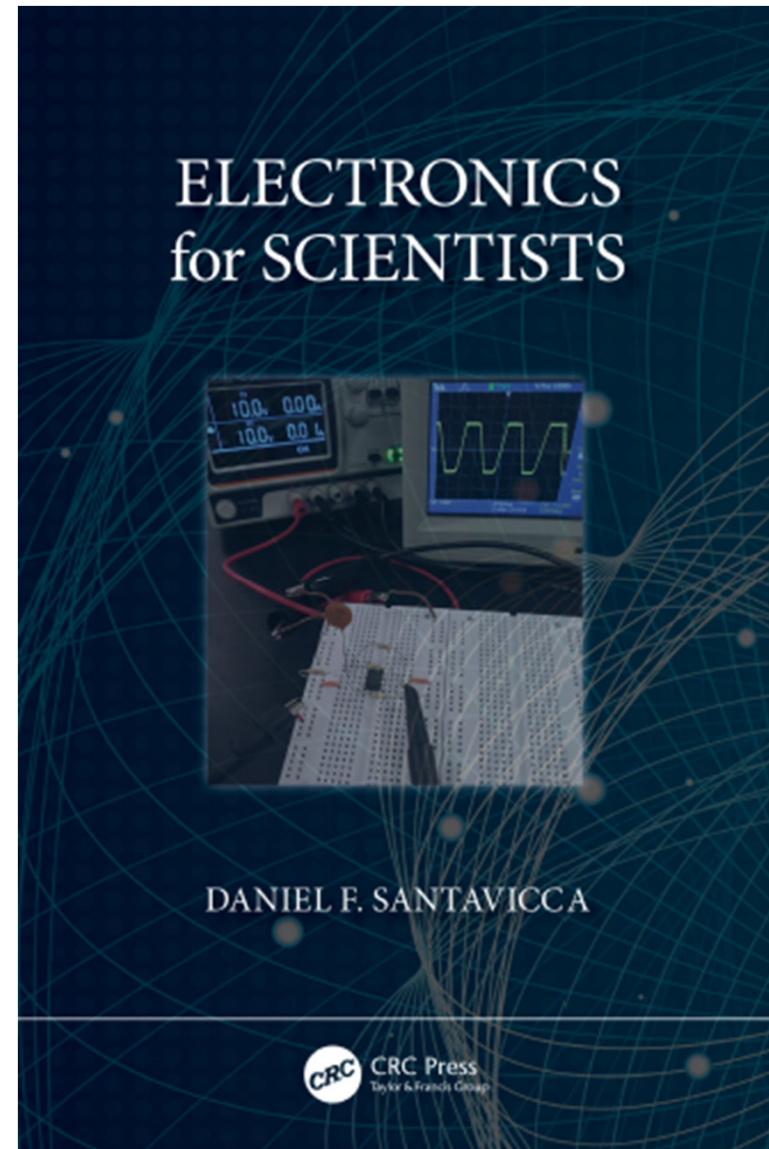
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Main Book

- Daniel F. Santavicca (2024),
Electronics for Scientists,
CRC Press.

(Semester: Spring 2024)



Video Clips

Number	File Name	Duration	Caption
1	ElectricalCircuit	2:20	What is an electrical circuit?
2	CombinedCyclePowerPlant	0:57	What is a combined cycle powerplant?
3	Capacitor_Intro	2:24	How a capacitor works?
4	Inductor_Intro	2:55	What are inductance and inductor?
5	LCOscillation	3:08	What is LC Oscillation?
6	Electromag_Intro	0:39	How can we produce EMF using a magnet?
7	Transformer_Intro	2:28	What is a transformer?
8	Arduino_Intro	2:22	What is an Arduino board?
9	PLC_Intro	1:33	What is a PLC?
10	Signals_CT&DT	2:11	Compare continuous-time and discrete-time signals.

Supplementary Documents (in alphabetical order) (p.1)

File Name	Caption	
Arity&Adicity	Arity and Adicity	
Conjunctions_Coordinating	Coordinating Conjunctions	
Conjunctions_Subordinating	Subordinating Conjunctions	
Conjunctions_Correlative	Correlative Conjunctions	
ConjunctiveAdverbs	Conjunctive Adverbs	
GreekAlphabet_1	Greek Alphabet	
MostCommonPrefixes	Most Common Prefixes	
MostCommonSuffixes	Most Common Suffixes	
Nekovar2011MathematicalEnglish	Mathematics in English	

Supplementary Documents (in alphabetical order) (p.2)

File Name	Caption	
OPAL_spoken phrases	Spoken Phrases (by OPAL)	
OPAL_spoken single words	Spoken Single Words (by OPAL)	
OPAL_written phrases	Written Phrases (by OPAL)	
OPAL_written single words	Written Single Words (by OPAL)	
Phonetics_OLAD	Phonetics (by OALD)	
Prefixes_SI	SI Prefixes	
SpecialCharacters	Special Characters	

OPAL: The Oxford Phrasal Academic Lexicon

OALD: Oxford Advanced Learner's Dictionary

Useful Links

- <https://www.merriam-webster.com/>
(فرهنگ واژگان merriam webster)
- <https://www.oxfordlearnersdictionaries.com/>
(فرهنگ واژگان آکسفورد)
- https://en.wikipedia.org/wiki/Glossary_of_electrical_and_electronics_engineering#Z
(فهرست واژگان مهندسی برق و الکترونیک)

Other Useful Links

- <https://wiki.apll.ir/word/index.php>
(واژگان مصوب فرهنگستان زبان و ادب پارسی)
- <https://persianlanguageonline.com/persian-poetry>
(اشعار و ادبیات پارسی به زبان انگلیسی)

Some Spiritual Links

- <https://www.duas.org/>

(دعاها و اعمال مناسبتی به زبان عربی و انگلیسی)

- <https://tanzil.ir/>

(پیمایشگر قرآن کریم به همراه ترجمه‌های گوناگون به زبان‌های گوناگون)

- <https://www.al-islam.org>

(مرجع رایگان کتاب‌های اسلامی به زبان انگلیسی)

The End