

# Three-Phase Diode Rectifiers: Current Injection Methods

— a research experience —

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# who am I?

- ▶ B.S. University of Belgrade, 1990
- ▶ M.S. University of Belgrade, 1992
- ▶ Ph.D. University of Colorado at Boulder, 1995
- ▶ Mathematical High School, **computer programming major**, 1984
- ▶ Professor at the University of Belgrade, teaching:
  1. Electrical Measurements
  2. Analog Electronics
  3. Power Electronics
  4. Software Tools in Electronics
  5. Power Electronics 2
  6. Selected Areas in Power Electronics

## main research interests, chronological order

1. computer-aided design in power electronics
2. electric current sensors
3. **three-phase low-harmonic rectifiers**
4. digital measurements
5. positioning in wireless networks

how to reach me ...

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slides for this seminar

`http://tnt.etf.bg.ac.rs/~peja/seminar.html`

## topic of the seminar

- ▶ three-phase low-harmonic rectifiers
- ▶ current injection methods
- ▶ 16 years of research in the area
- ▶ motivation: to share a research experience ...
- ▶ much more than usually covered in conferences ...
- ▶ stress on being wrong ...
- ▶ a lot is (should be) learned from being wrong
- ▶ serendipities, wrong assumptions, dead ends, ...
- ▶ some history, there is always a reason behind ...
- ▶ you'll see ...