Some Interesting Seminar Topics		
-	- Low-power analog and biomedical circuits including:	
	0	Low-power trans-impedance amplifiers and photoreceptors
	0	Low-power transconductance amplifiers and scaling laws for power in analog
		circuits
	0	Low-power filters and resonators
	0	Low-power current-mode circuits
	0	Ultra-low-power and neuron-inspired analog-to-digital conversion for biomedical
		systems
	0	
<ul> <li>Low-power RF and energy-harvesting circuits for biomedical systems including:</li> </ul>		ower RF and energy-harvesting circuits for biomedical systems including:
	0	Wireless inductive power links for medical implants
	0	Energy-harvesting RF antenna power links
	0	Low-power RF telemetry in biomedical implants
	0	
- Biomedical electronic systems including:		dical electronic systems including:
	0	Ultra-low-power implantable medical electronics
	0	Ultra-low-power noninvasive medical electronics
	0	
-	- Bio-inspired systems including:	
	0	Neuromorphic electronics
	0	Cytomorphic electronics: cell-inspired electronics for systems and synthetic
		biology
	0	
-	Energy	sources including:
	0	Batteries and electrochemistry

## Reference Book

\* Sarpeshkar, Rahul, "Ultra low power bioelectronics: fundamentals, biomedical applications, and bio-inspired systems," Cambridge University Press 2010

o Energy harvesting and the future of energy