SESSION 6

Capacitance		$C = Q/V$
Parallel Plate		$C = \frac{e_0 A}{d}$
CoAx cable		$\frac{C}{L} = \frac{2pe_0}{\ell n\left(\frac{b}{a}\right)}$
Sphere		$C = 4pe_0 R$
Energy Density in a Electric Field		$u = \frac{1}{2} e_0 E^2$
Combination of Capacitors	Series	$C_{eq}^{-1} = C_1^{-1} + C_2^{-1} + C_3^{-1} + \ldots$
	Parallel	$C_{eq} = C_1 + C_2 + C_3 + \ldots$
Dielectrics		$e_0 \rightarrow e = e_0 k$
		$s_{ind} = s\,(1 - \frac{1}{k})$