

Figure 1. (a) Block diagram of the measurement system. (b) The transient capacitance response which is expressed by $C_{tr}(t) = \sum_{k=1}^M c(\tau_k) \exp(-t/\tau_k)$.

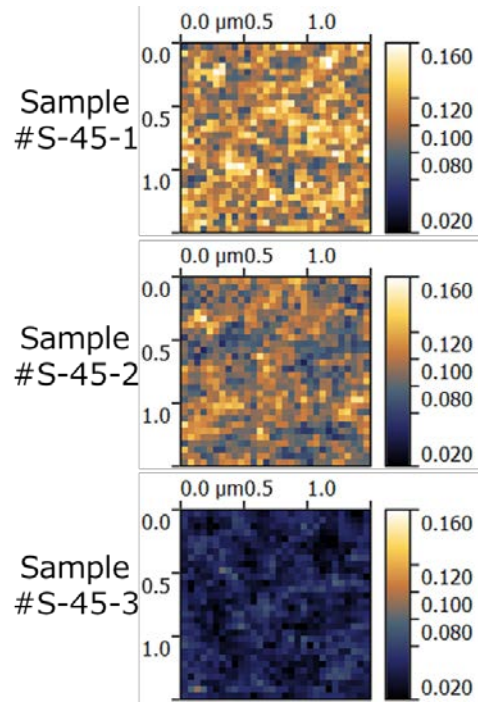


Figure 2. Images of Local-DLTS signal $c(\tau)/\Delta C_M$ around $\tau=1\mu\text{sec}$ of SiC MOS interface. The dark and bright areas are interpreted as low D_{it} (trap density) area and high D_{it} area, respectively.

	Local-DLTS images		Correlation coefficient
	$\tau = 0.3 \mu\text{s}$	$\tau = 3 \mu\text{s}$	
# S-45-1			0.11 No correlation
# S-45-2			0.02 No correlation
# S-45-3			0.09 No correlation

Figure 3. 2D distribution of D_{it} converted from local-DLTS signals for $\tau = 0.3 \mu\text{s}$ and $3 \mu\text{s}$.