

(a)  $G = 300 \text{ kg/m}^2\text{s}$

(b)  $G = 400 \text{ kg/m}^2\text{s}$

Fig.4.43 Photos of stable saturated boiling flow at certain time instants for various imposed heat fluxes for (a)  $G = 300 \text{ kg/m}^2\text{s}$  and (b)  $G = 400 \text{ kg/m}^2\text{s}$ .

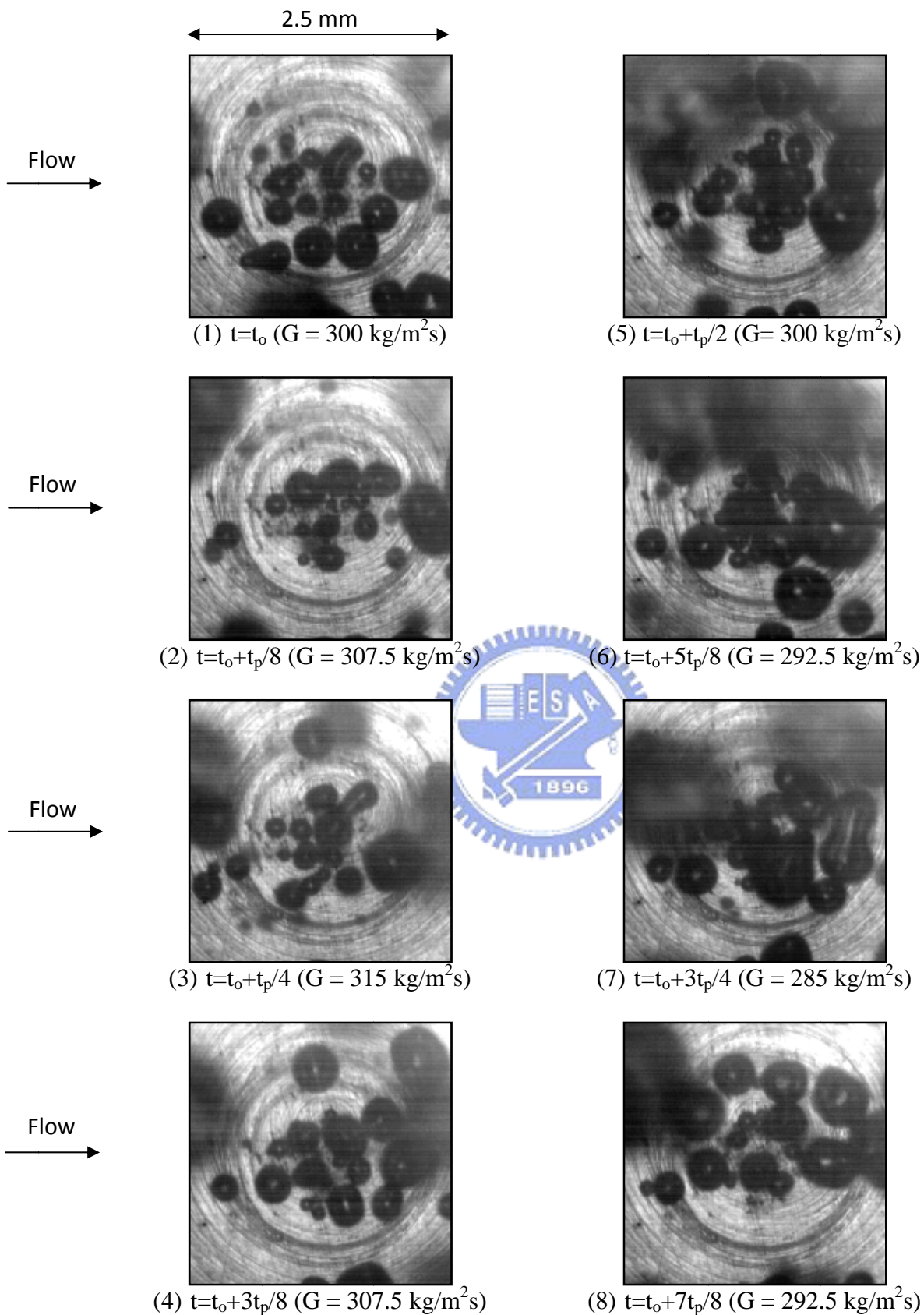


Fig.4.44 Photos of transient oscillatory saturated flow boiling flow at certain time instants for various imposed mass fluxes for  $q=6.2 \text{ W/cm}^2$  at  $G=300\pm 5\% \text{ kg/m}^2\text{s}$  with oscillation  $t_p=10\text{s}$ .

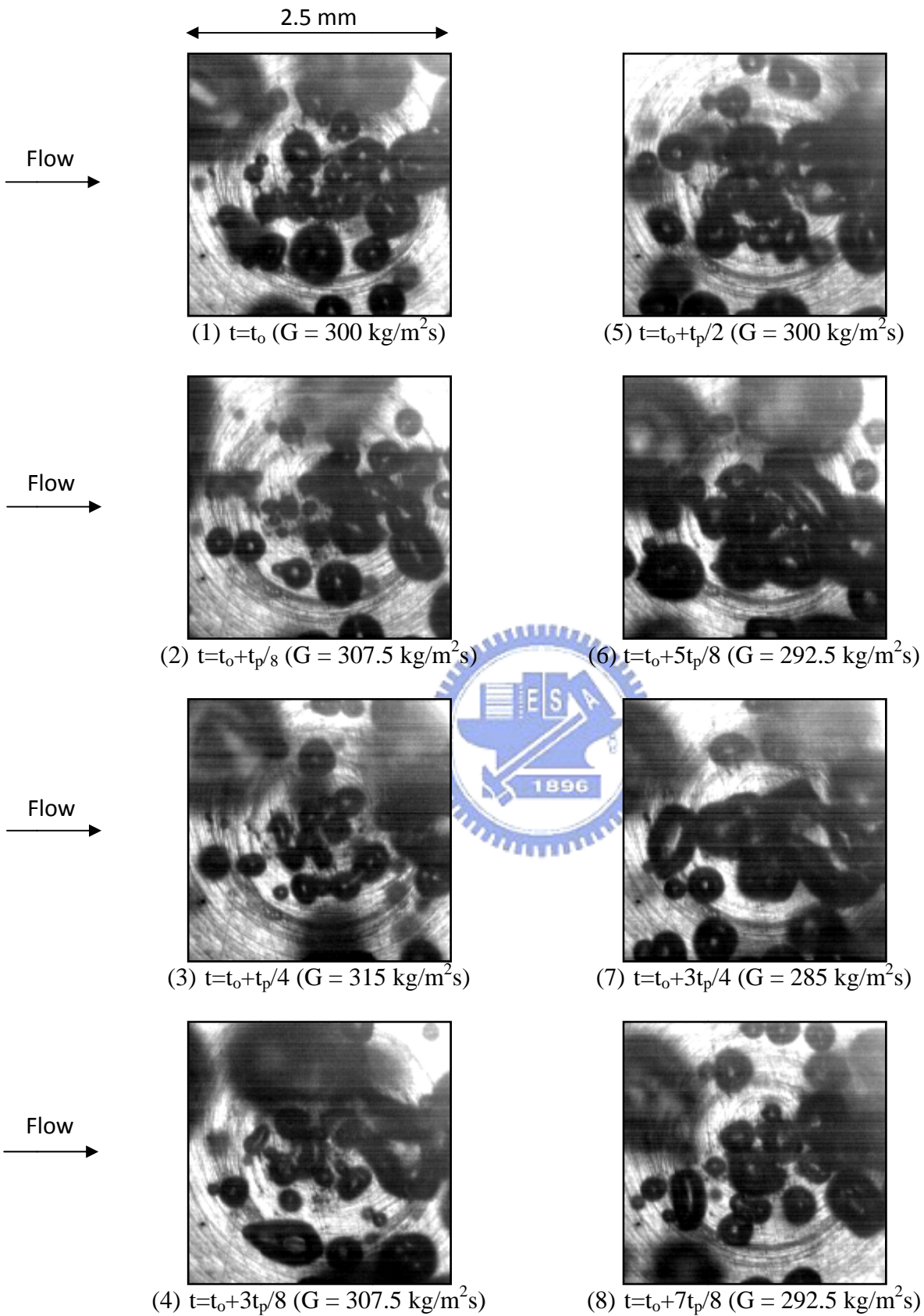


Fig.4.45 Photos of transient oscillatory saturated flow boiling flow at certain time instants for various imposed mass fluxes for  $q=7.5 \text{ W/cm}^2$  at  $G=300\pm 5\% \text{ kg/m}^2\text{s}$  with oscillation  $t_p=10\text{s}$ .

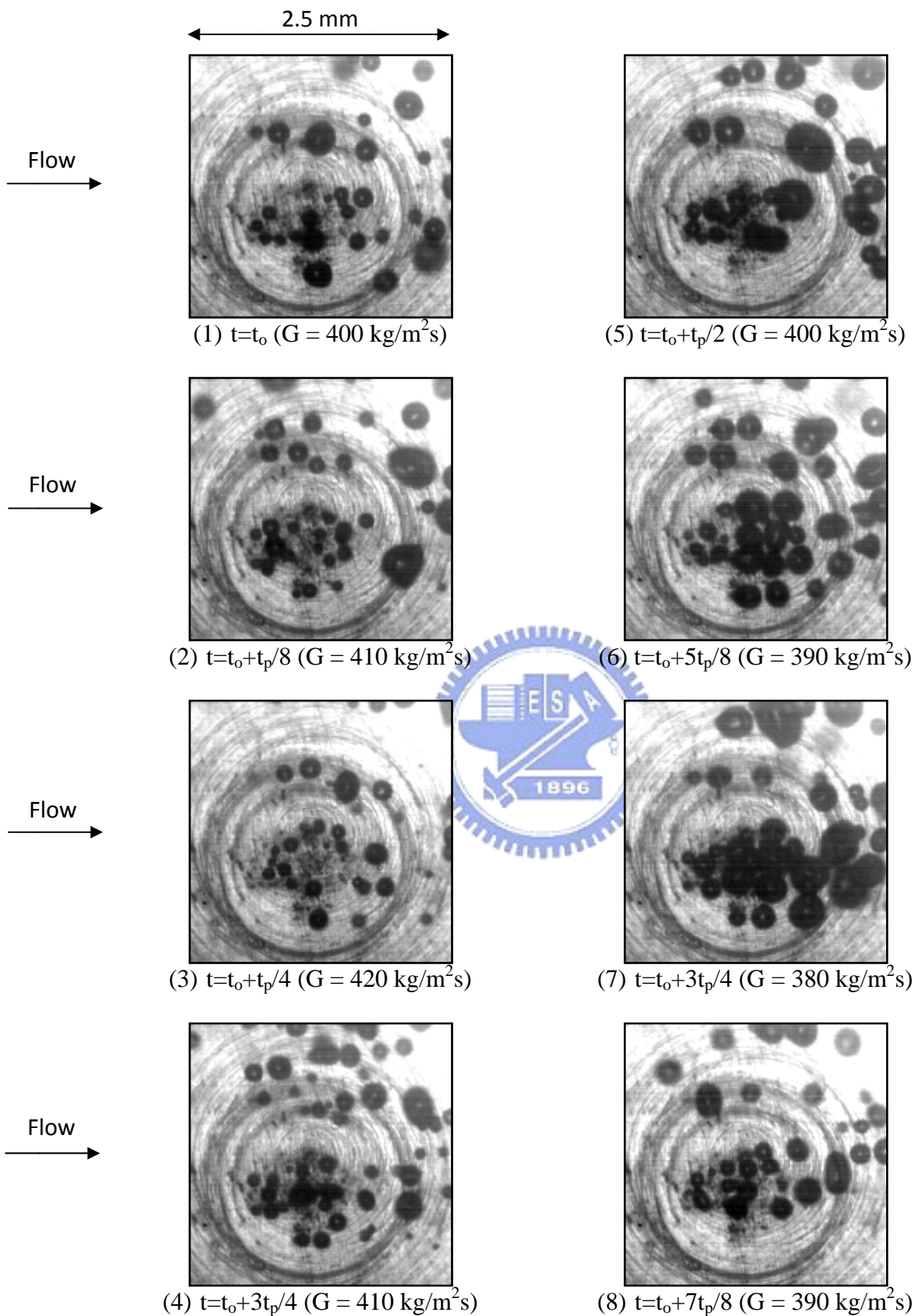


Fig.4.46 Photos of transient oscillatory saturated flow boiling flow at certain time instants for various imposed mass fluxes for  $q=6.2 \text{ W/cm}^2$  at  $G=400\pm 5\% \text{ kg/m}^2\text{s}$  with oscillation  $t_p=10\text{s}$ .

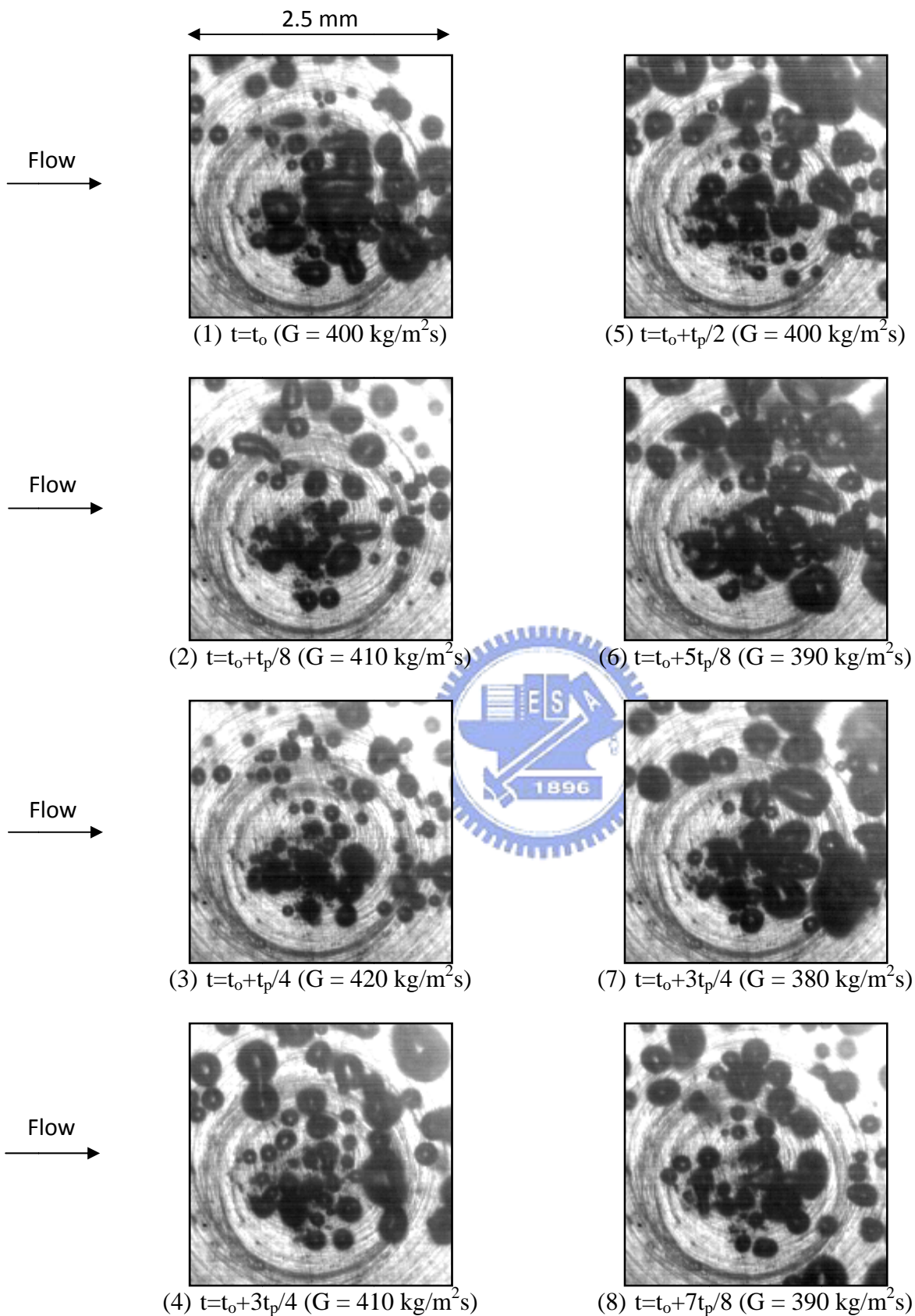


Fig.4.47 Photos of transient oscillatory saturated flow boiling flow at certain time instants for various imposed mass fluxes for  $q=9.0 \text{ W/cm}^2$  at  $G=400\pm 5\% \text{ kg/m}^2\text{s}$  with oscillation  $t_p=10\text{s}$ .

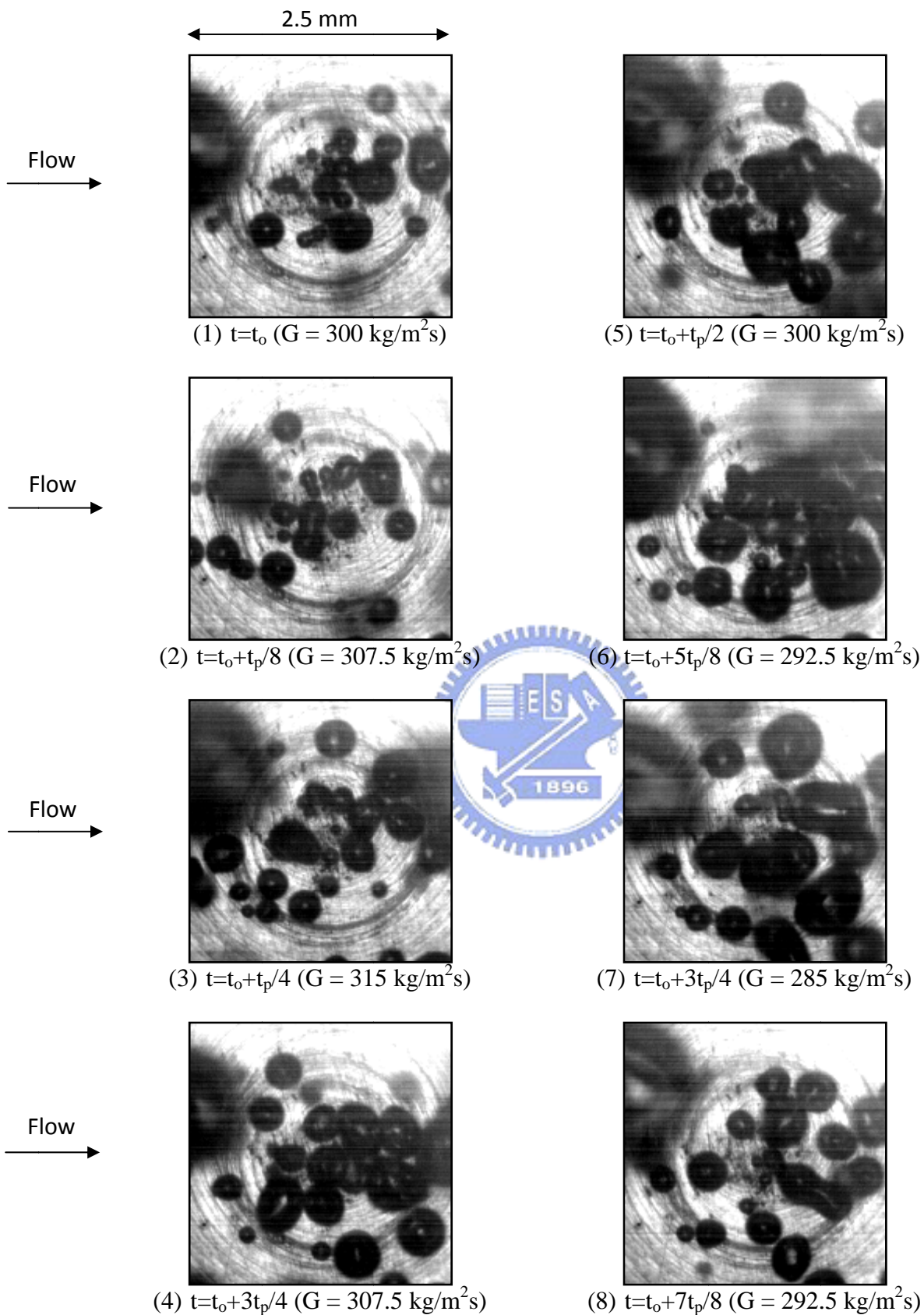


Fig.4.48 Photos of transient oscillatory saturated flow boiling flow at certain time instants for various imposed mass fluxes for  $q=6.2 \text{ W/cm}^2$  at  $G=300\pm 5\% \text{ kg/m}^2\text{s}$  with oscillation  $t_p=20\text{s}$ .

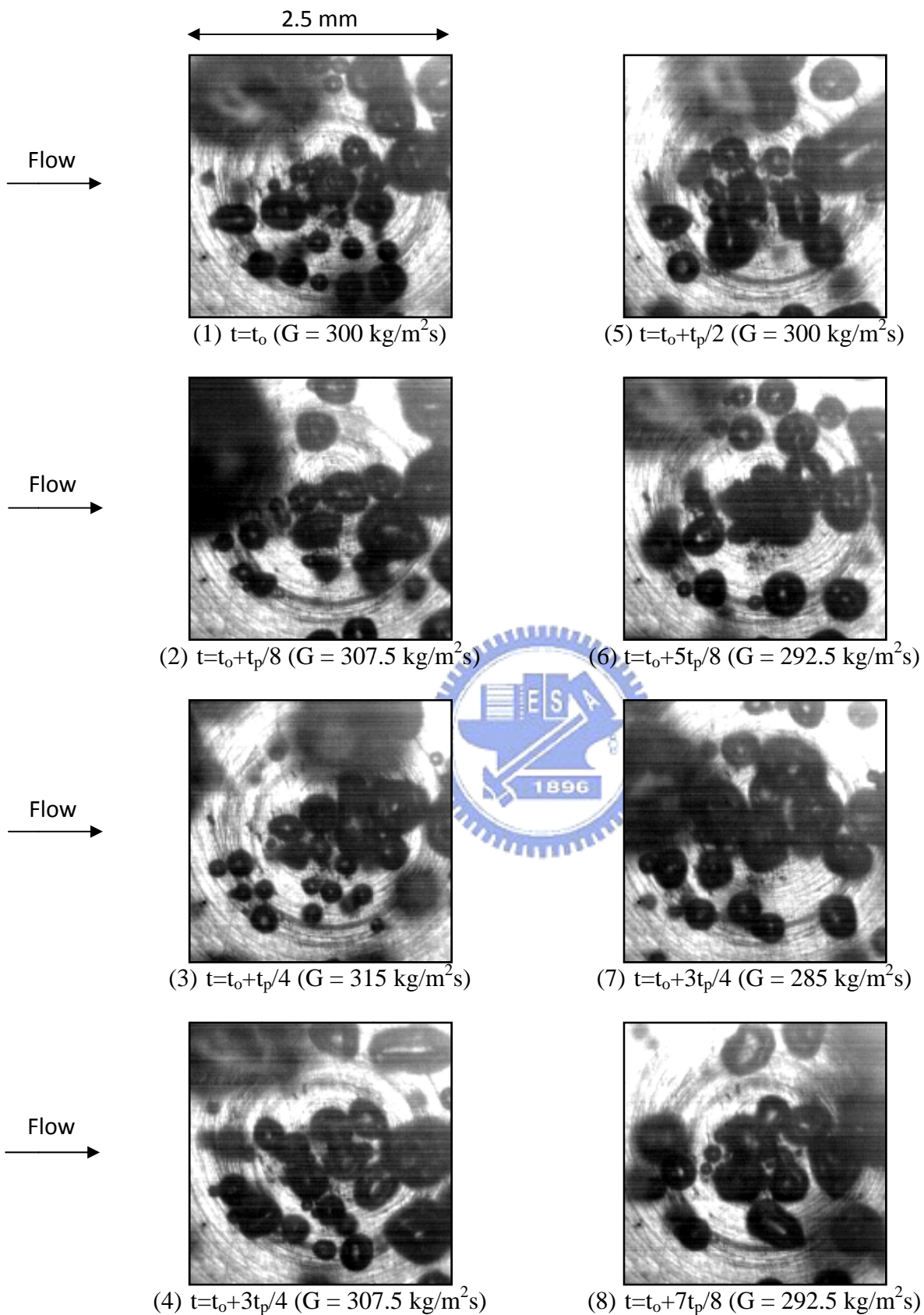


Fig.4.49 Photos of transient oscillatory saturated flow boiling flow at certain time instants for various imposed mass fluxes for  $q=7.5 \text{ W/cm}^2$  at  $G=300\pm 5\% \text{ kg/m}^2\text{s}$  with oscillation  $t_p=20\text{s}$ .

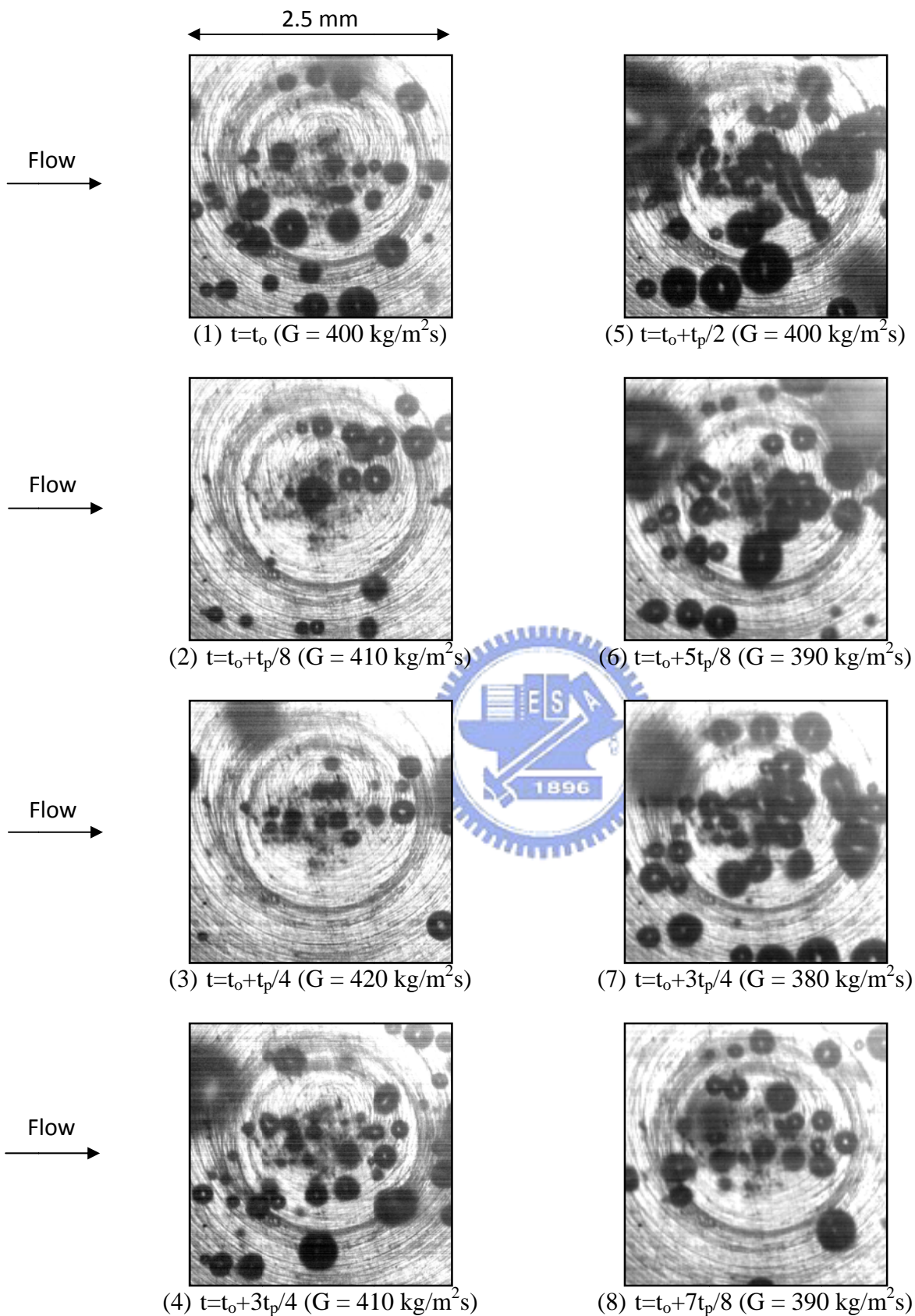


Fig.4.50 Photos of transient oscillatory saturated flow boiling flow at certain time instants for various imposed mass fluxes for  $q=6.2 \text{ W/cm}^2$  at  $G=400\pm 5\% \text{ kg/m}^2\text{s}$  with oscillation  $t_p=20\text{s}$ .



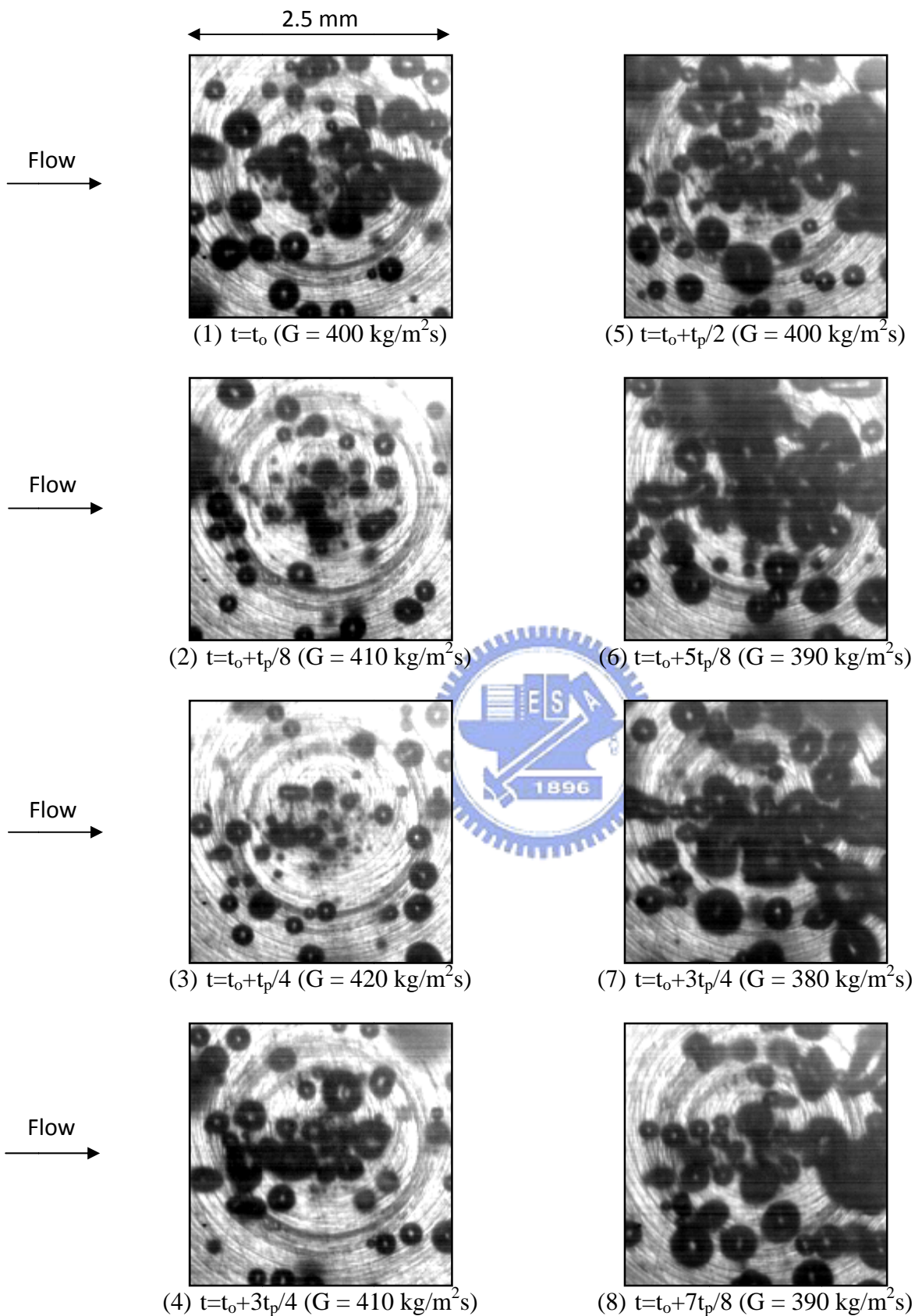


Fig.4.51 Photos of transient oscillatory saturated flow boiling flow at certain time instants for various imposed mass fluxes for  $q=9.0 \text{ W/cm}^2$  at  $G=400\pm 5\% \text{ kg/m}^2\text{s}$  with oscillation  $t_p=20\text{s}$ .

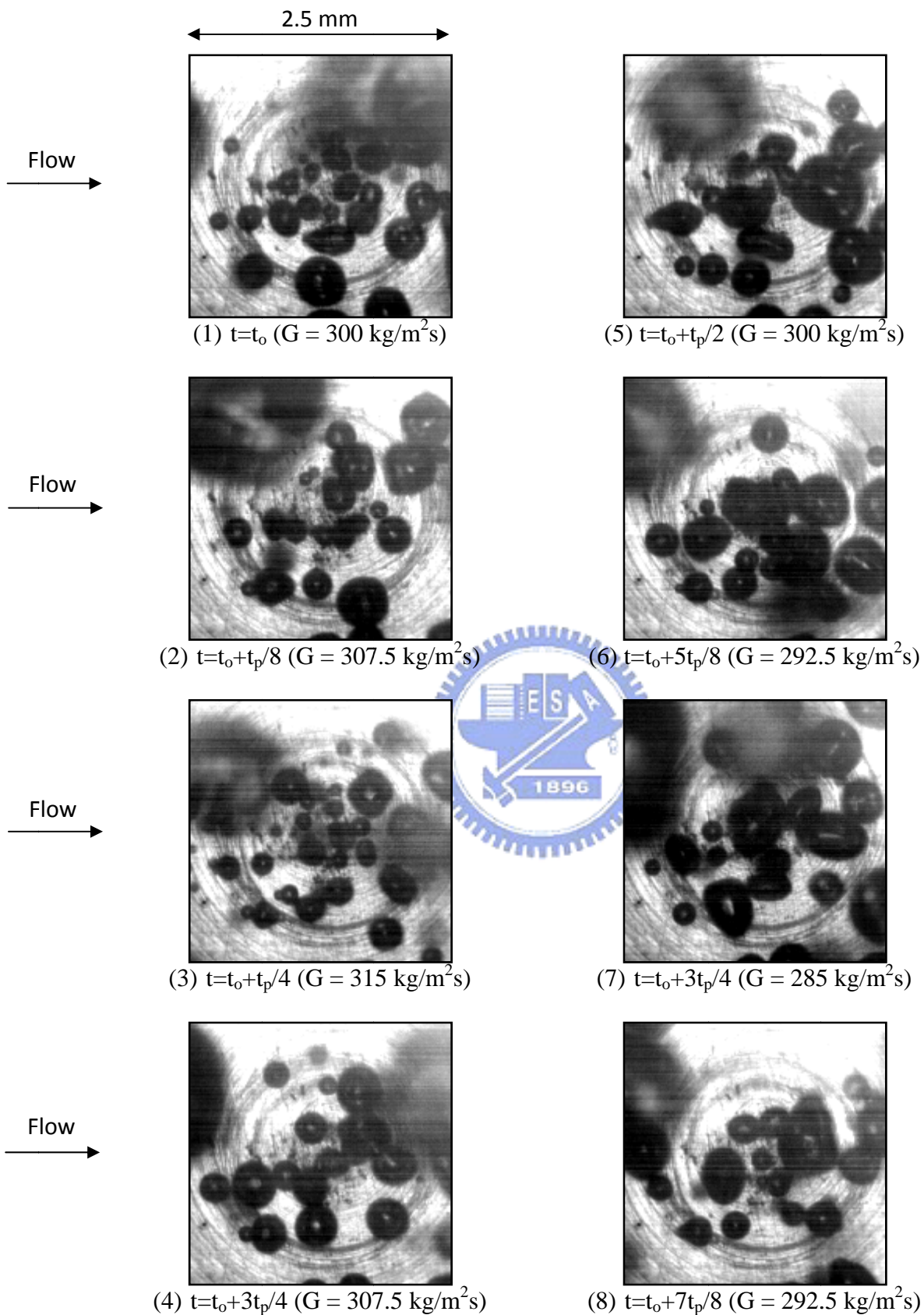


Fig.4.52 Photos of transient oscillatory saturated flow boiling flow at certain time instants for various imposed mass fluxes for  $q=6.2 \text{ W/cm}^2$  at  $G=300\pm 5\% \text{ kg/m}^2\text{s}$  with oscillation  $t_p=30\text{s}$ .

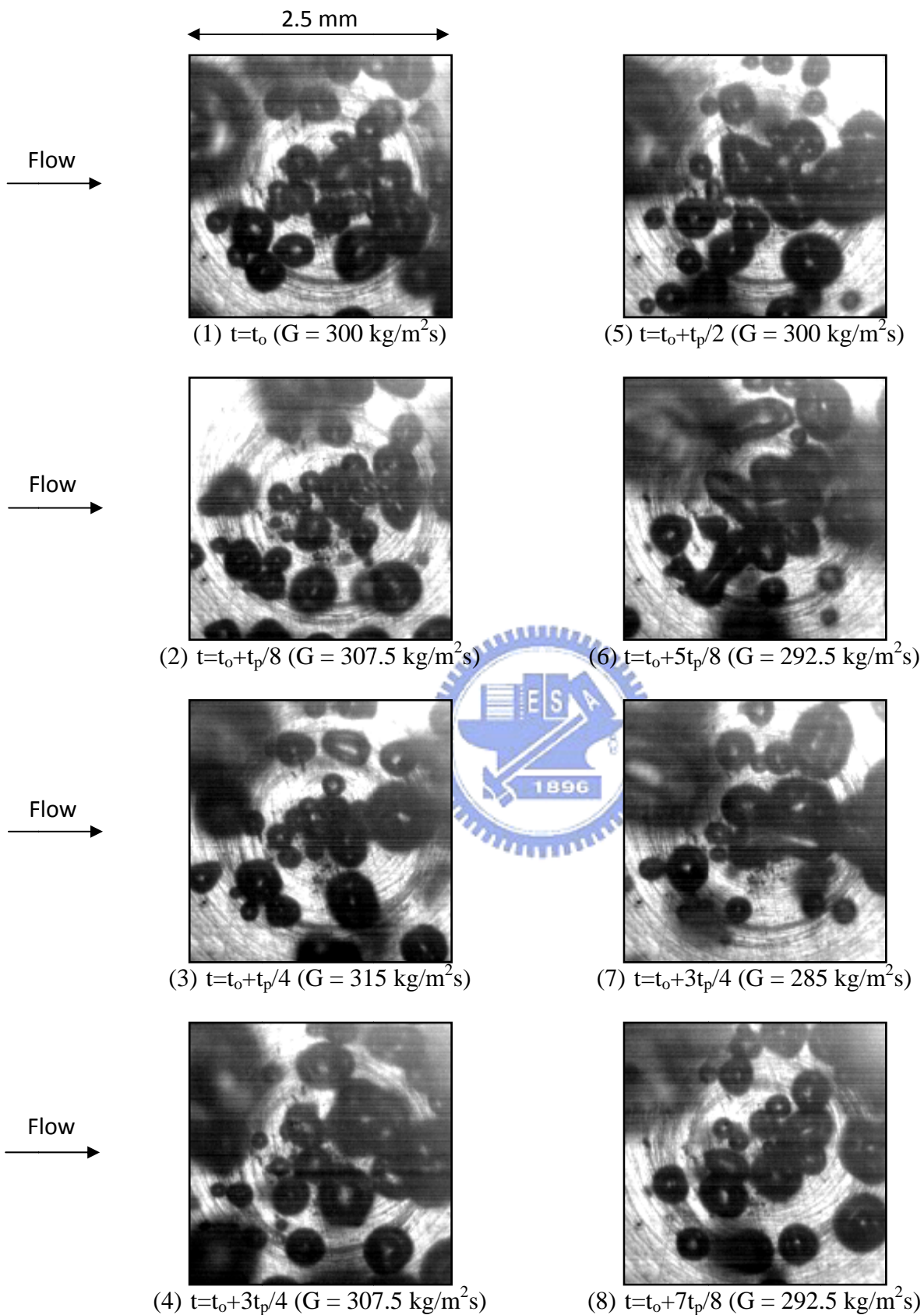


Fig.4.53 Photos of transient oscillatory saturated flow boiling flow at certain time instants for various imposed mass fluxes for  $q=7.5 \text{ W/cm}^2$  at  $G=300\pm 5\% \text{ kg/m}^2\text{s}$  with oscillation  $t_p=30\text{s}$ .

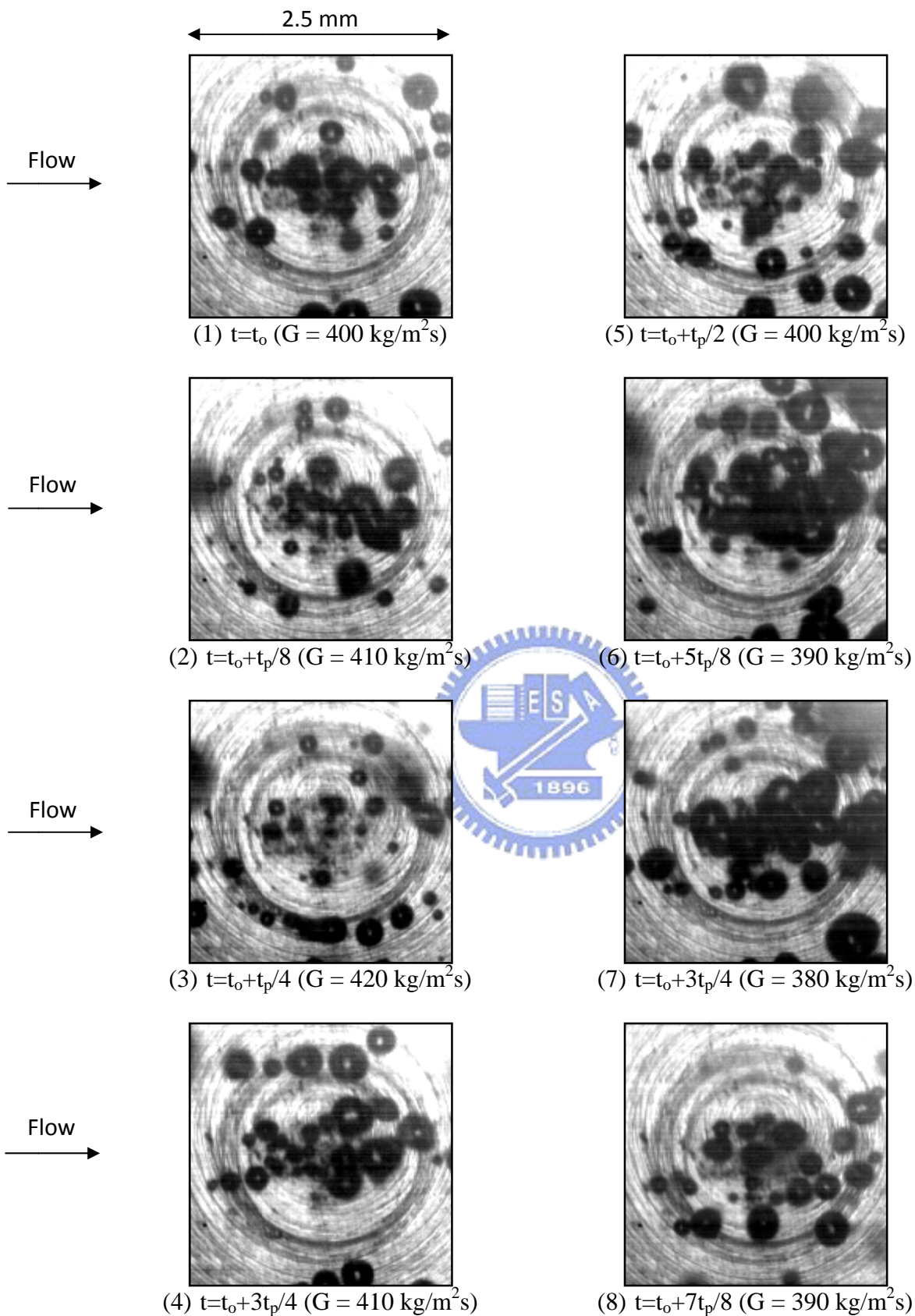


Fig.4.54 Photos of transient oscillatory saturated flow boiling flow at certain time instants for various imposed mass fluxes for  $q=6.2 \text{ W/cm}^2$  at  $G=400\pm 5\% \text{ kg/m}^2\text{s}$  with oscillation  $t_p=30\text{s}$ .

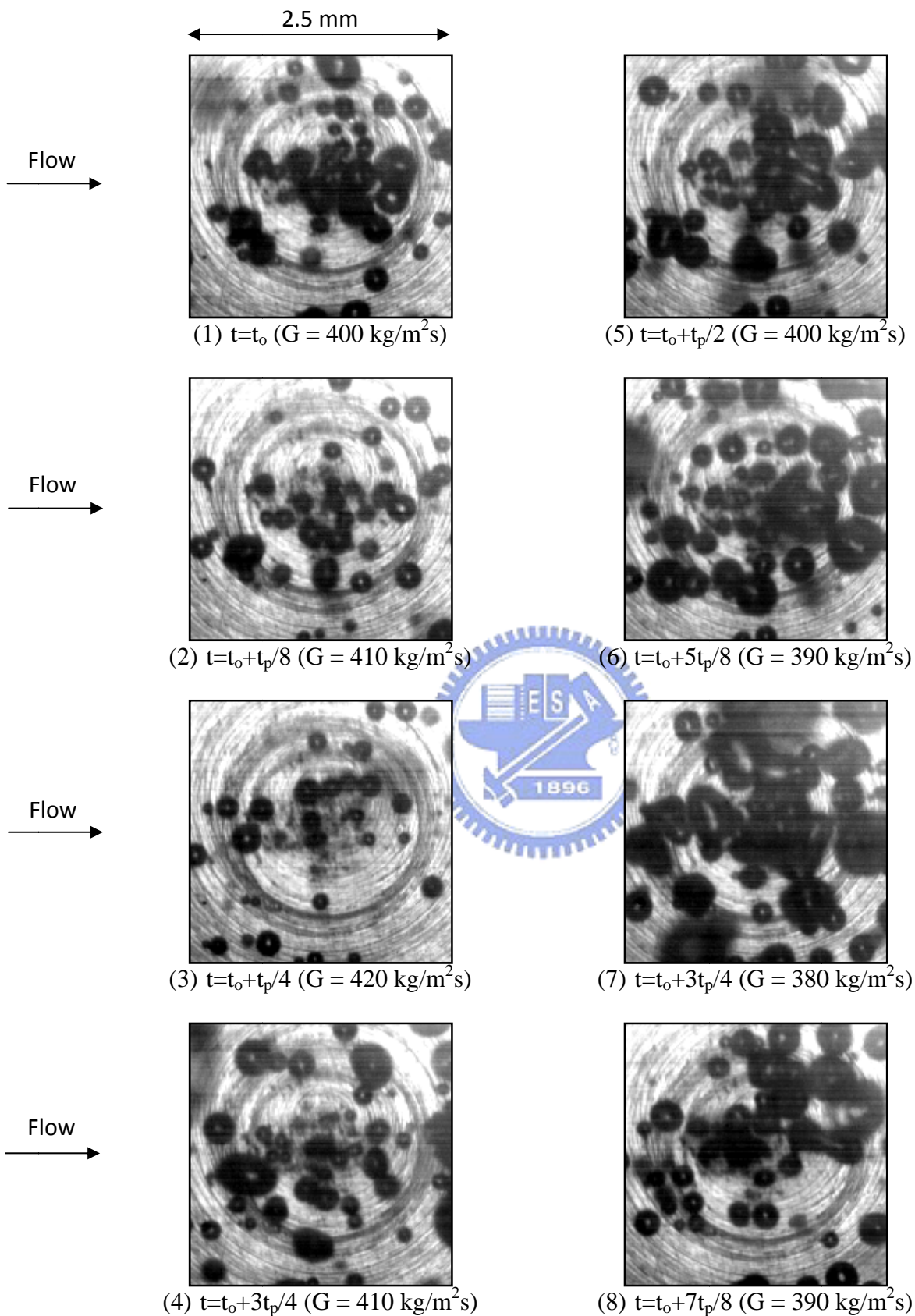


Fig.4.55 Photos of transient oscillatory saturated flow boiling flow at certain time instants for various imposed mass fluxes for  $q=9.0 \text{ W/cm}^2$  at  $G=400\pm 5\% \text{ kg/m}^2\text{s}$  with oscillation  $t_p=30\text{s}$ .