

Butanol/O<sub>2</sub>/N<sub>2</sub>,  $\phi = 1.0$ ,  $P_C = 30$  bar

850 K

800 K

750 K

700 K

Ignition Delay, ms

Symbols: Experiments

Solid Lines: Simulations

□ *i*-butanol

◇ *s*-butanol

○ *t*-butanol

△ *n*-butanol

O<sub>2</sub> : N<sub>2</sub> = 1 : 3.76

1.15 1.2 1.25 1.3 1.35 1.4 1.45 1.5

1000/ $T_C$ , K<sup>-1</sup>

