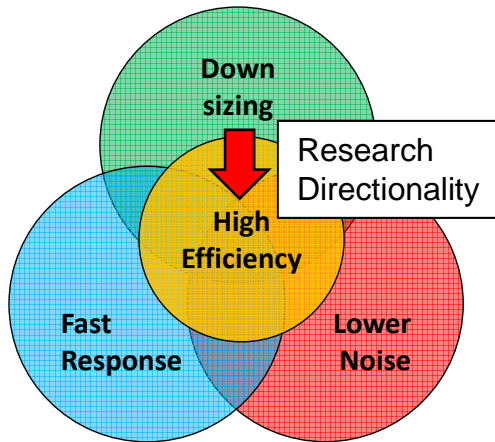


## Single-Inductor-Dual-Output DC-DC Buck converter Design with ZVS-PWM Control

**Nobukazu Tsukiji, Yasunori Kobori, Nobukazu Takai, Haruo Kobayashi**  
*Division of Electronics and Informatics, Gunma University, Japan*

### Research Objective

- Performance improvement of DC/DC converter



Target	Key technology
High Efficiency Lower Noise	<u>ZVS-PWM Control</u>
Downsizing	<u>Single-Inductor Dual-Output</u>

### Application

- Medical Device (Lower Noise required)
- Mobile Device (Downsizing & High Efficiency required)

### Proposed Circuit

