

# **Ultrafast oscillators around 2 $\mu\text{m}$ & ultra-broadband infrared generation**

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## **Abstract:**

Recent progress in the development of femtosecond Ho:YAG thin-disk and bulk Cr:ZnS oscillators around 2  $\mu\text{m}$  wavelengths will be reviewed. Additionally, high-power ultra-broadband infrared generation (5–20  $\mu\text{m}$ ) in GaSe, ZnS/ZnSe crystals driven by those femtosecond oscillators will be presented.