# 学位論文要約

Tectonic evolution of the Paleo-Median Tectonic Line and the Kurosegawa tectonic zone inferred from zircon U-Pb geochronology

(ジルコン U-Pb 年代学に基づく古中央構造線と黒瀬川構造帯の形成テクトニクス)

### 川口 健太

Department of Earth and Planetary Systems Science, Graduate School of Science, Hiroshima University

## Content of the thesis

### **Abstract**

- **Chapter 1** Introduction
- Chapter 2 Discovery of the Early Paleozoic granitoid at the northern margin of Sambagawa terrane, eastern Kyushu, Japan: Petrogenesis, U-Pb geochronology and its tectonic implication
- Chapter 3 Zircon U-Pb geochronology of the "Sashu Complex", eastern Kyushu: Eastern extension of the Higo plutono-metamorphic complex
- Chapter 4 Zircon U-Pb geochronology of the metagabbro in the Sambagawa metamorphic rocks, western Shikoku: Implication towards the reconstruction of the Paleo-Median Tectonic Line
- Chapter 5 Tectonic evolution of the Maana belt western Shikoku: Implication towards the tectonic relationship between Kurosegawa tectonic zone and the Higo plutono-metamorphic complex
- Chapter 6 Geochronological study of the Karasaki mylonite, western Shikoku: as an eastern extension of the Higo plutono-metamorphic complex

### **Chapter 7** Overall conclusions

Acknowledgements

References