



# Revolutionizing Flammability Testing: Innovation through Automation

**Jakub Galkiewicz**

Laboratory Manager, Flamelab 4.0

---



FLAMELAB 4.0

Quality through precision & traceability

by





# Current Issues

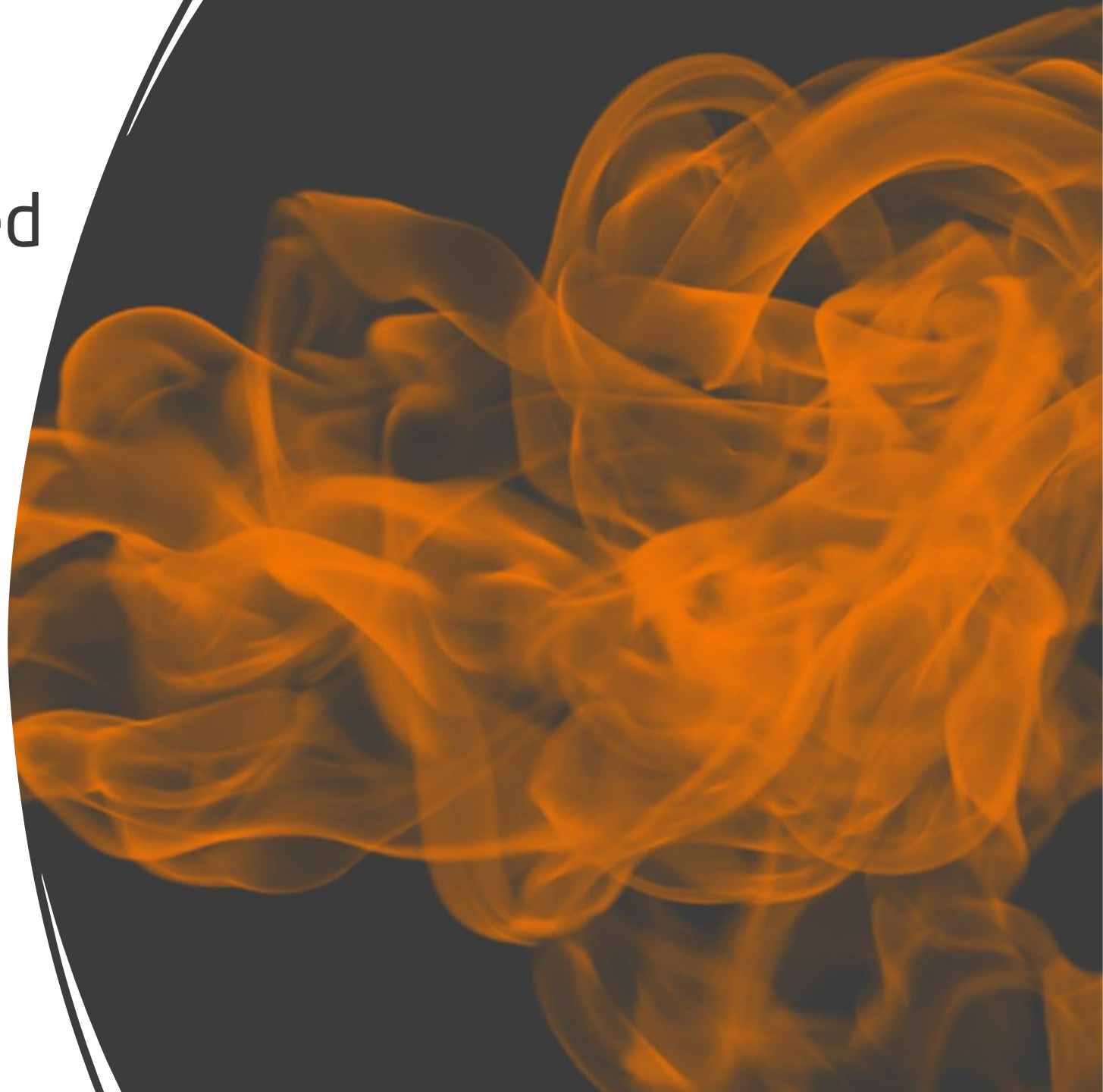
---



# Analog testing combined with human factors

---

- Rulemaking interpretations
- Pre-testing calibrations
- Manual testing
- Results analysis
- Specimen traceability





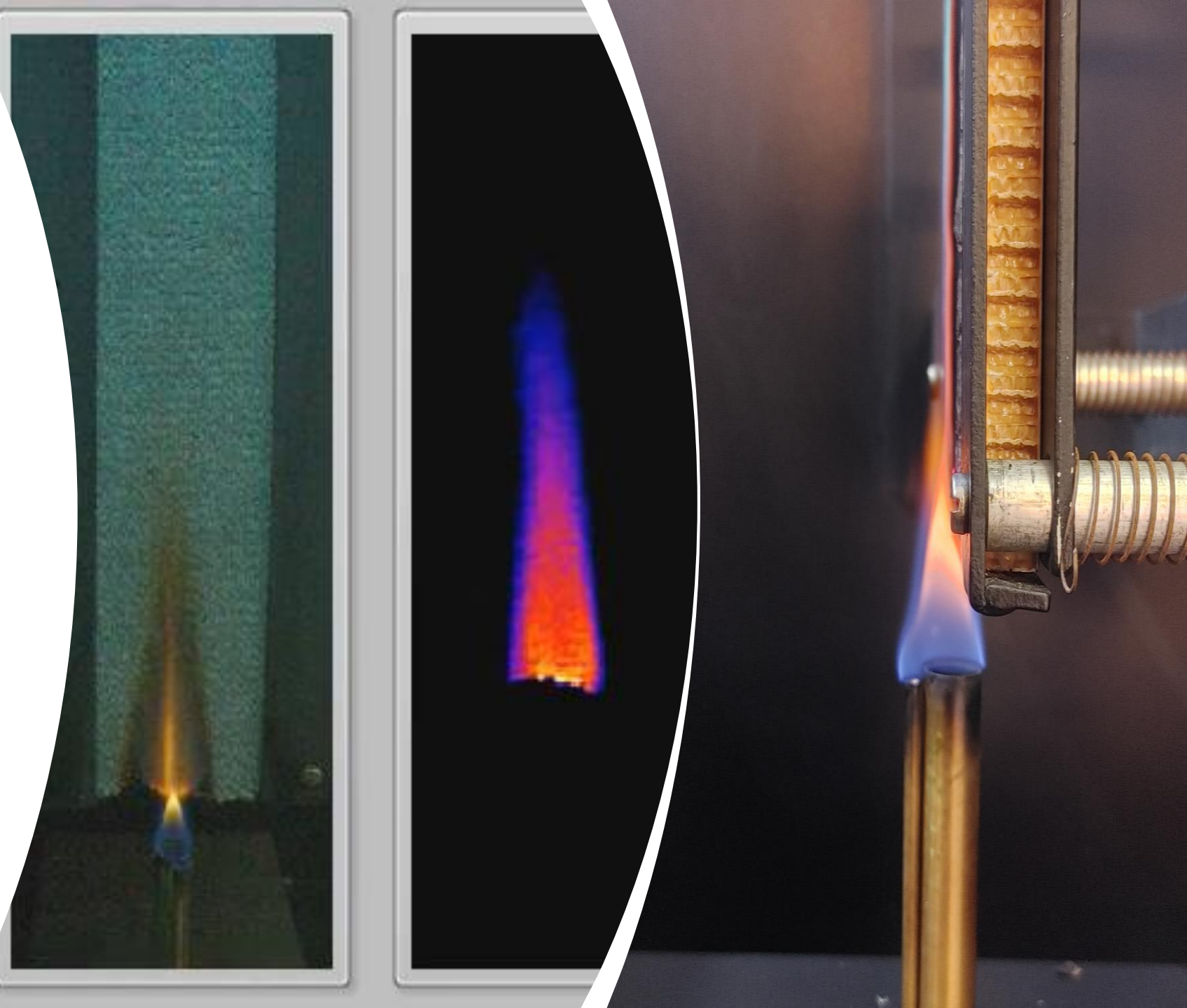
# Solution



# Flamelab 4.0

---

- Minimal operator input
- Automated pre-test calibration
- Specimen identification
- 100% repeatability
- Improved data recording
- Automated analysis





---

# Future perspectives

- Implementation of horizontal and degree Bunsen burner testing procedures into Flamelab 4.0
- Thermographic data acquisition combined with analysis at Heat Release Rate and Oil burner testing software



**Questions?**

---



Thank you for  
your attention



FLAMELAB 4.0  
Quality through precision & traceability

