

N SERC-CREATE Collaboration

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Internationally Collaborative Doctoral Programs Webinar

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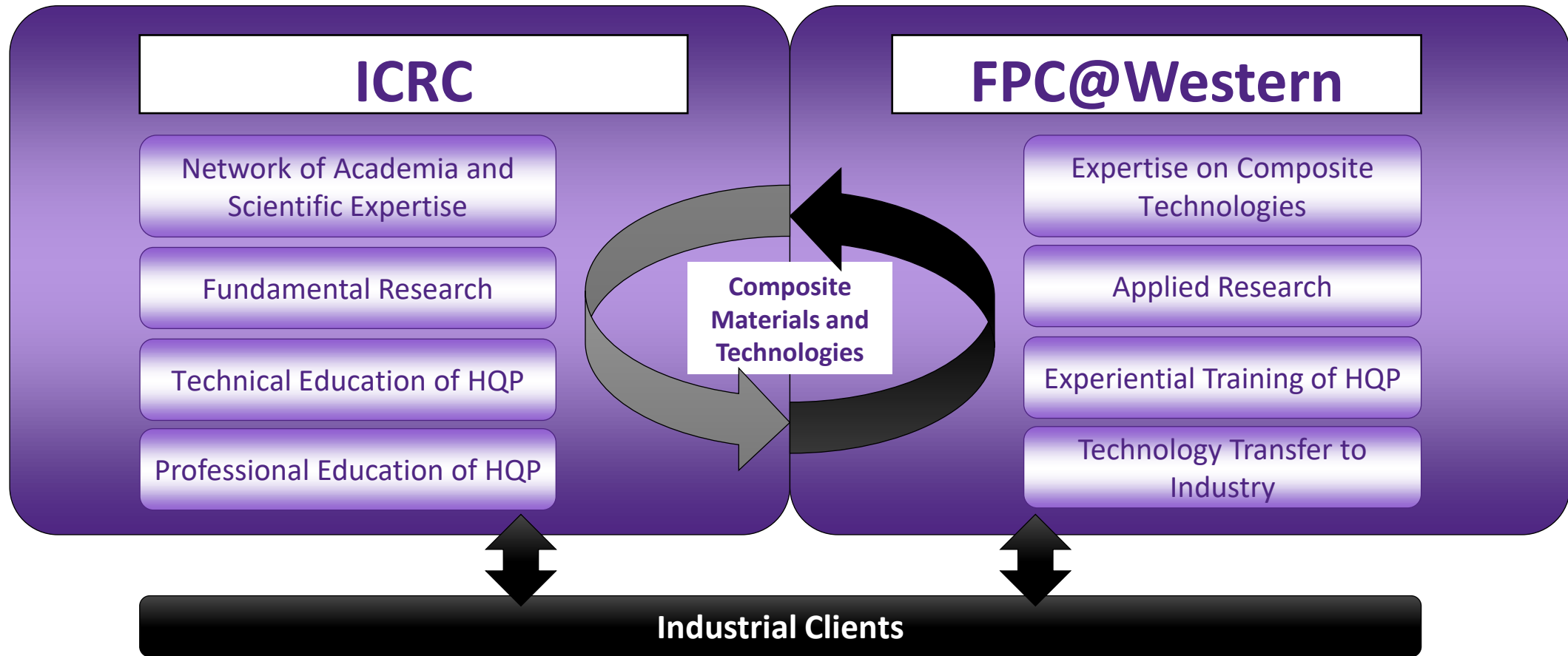
Origins – Fraunhofer Project Centre @ Western

- Fraunhofer ICT
- Technology Transfer
 - Composite Materials Research at Industrial Scale
 - Process, Properties, Simulation and Design
- Close ties to KIT for academic research



- 2012 FPC@Western officially opens
- Academic expertise in Canada is distributed
- ICRC forms as a virtual research cluster
 - 15 Researchers
 - 6 Institutions

The Role of the ICRC



Major Components of the Training Program

	Masters	Ph.D.
Professional Skills Program	✓	✓
Value-Chain Course Modules	✓	✓
FPC/Industry Internship	✓	✓
Annual IGS Workshop and Symposium	✓	✓
International Co-supervision	✓	✓
International Student Exchange	<i>opt.</i>	✓

Challenges

DFG - IRTG

- Two-year application cycle
- Research and Training
- c. €15M over 9 years

- Expectation of GER/CAN parity

NSERC - CREATE

- One-year application cycle
- Training only
- \$1.6M over 6 years

- >50% of ICRC student funding from industrial research grants
 - Fully-funded students
 - Incrementally-funded students

Strengths

- Natural synergy of Canadian and German research strengths
 - Theoretical / Experimental
- Coherent, comprehensive IRTG research program
 - Framework for 'piecemeal' Canadian research projects
 - Annual workshops showcase the breadth of the technological issues