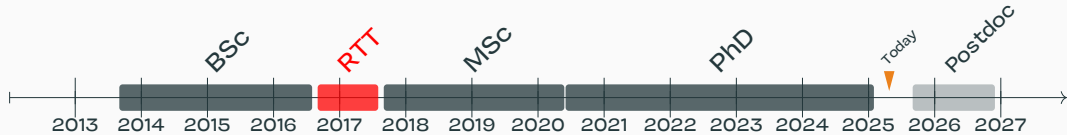


Non-permanent staff meeting

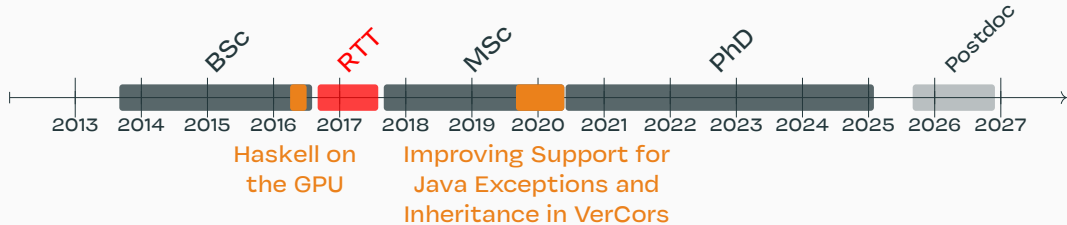
Bob

2025-04-24

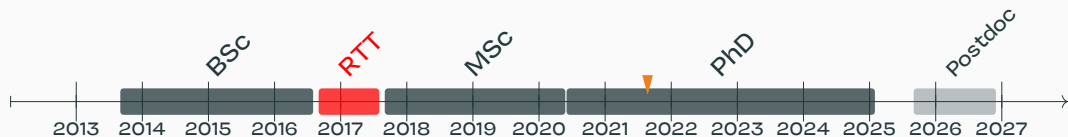
Timeline



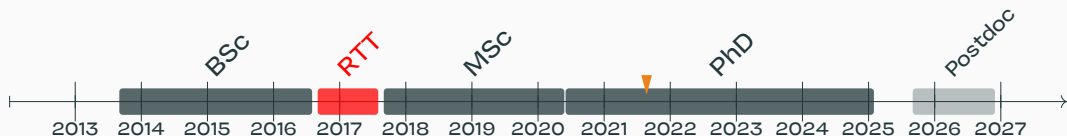
Timeline



Timeline



“Modular Transformation of Java Exceptions Modulo Errors” (2)

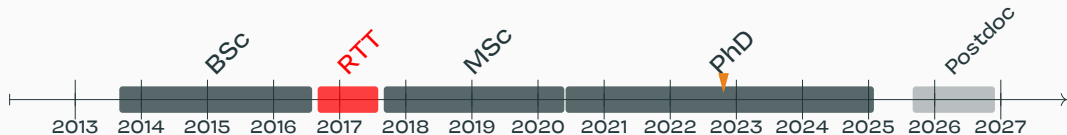


“Modular Transformation of Java Exceptions Modulo Errors” (2)

```
L: while (c) {  
    ... break L; ...  
}
```

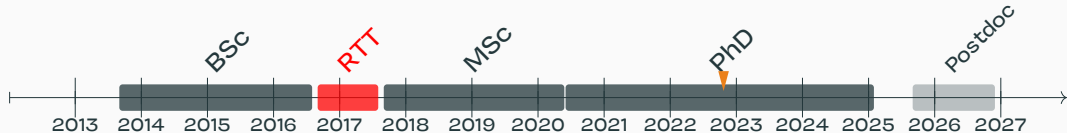
```
try { while (c) {  
    ... throw new L(); ...  
} } catch (L e) { }
```

Timeline

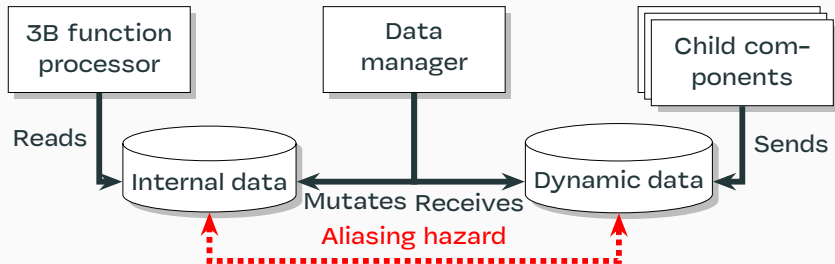


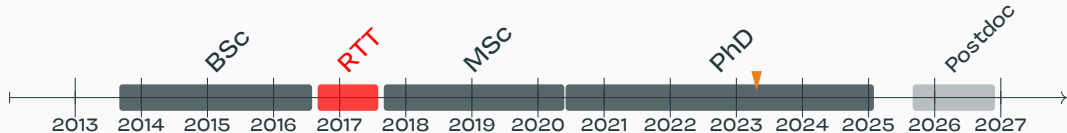
“On Deductive Verification of an Industrial Concurrent Software Component with VerCors” (invited)

Timeline

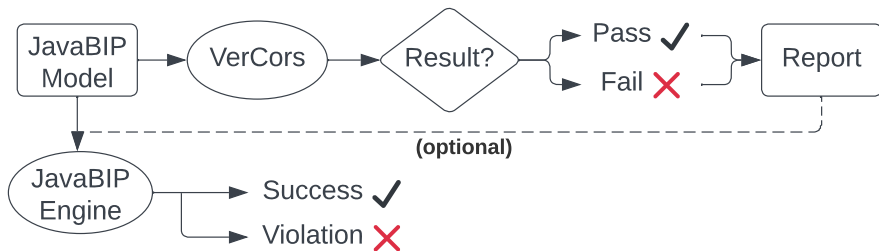


“On Deductive Verification of an Industrial Concurrent Software Component with VerCors” (invited)

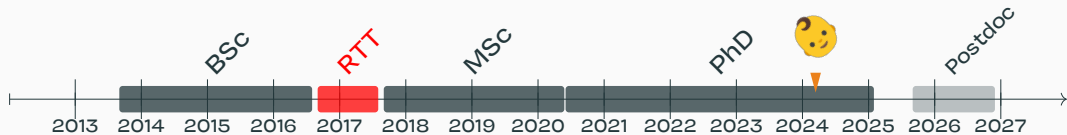


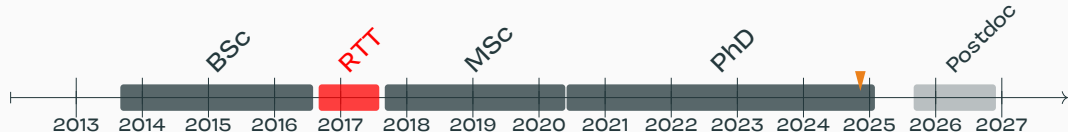


“JavaBIP meets VerCors: Towards the Safety of Concurrent Software Systems in Java” (1)



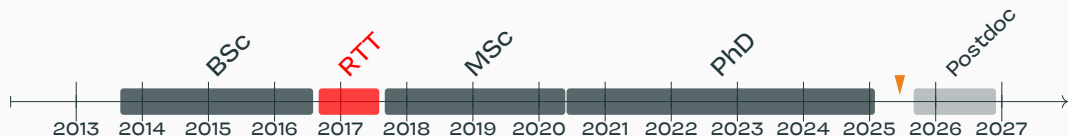
Timeline





“VeyMont: Choreography-Based Generation of Correct Concurrent Programs with Shared Memory” (2)

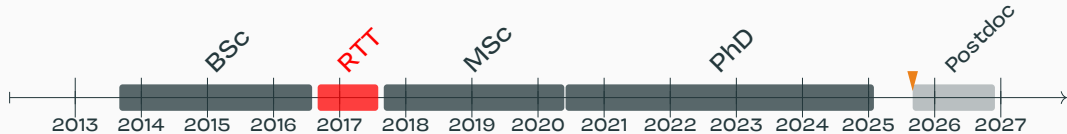
```
choreography incrStore(Store s) {  
  endpoint a = Role(s);  
  endpoint b = Role(null);  
  requires a.s.x > 0;  
  ensures a.s.x > 2;  
  run {  
    a.s.x := a.s.x + 1;  
    communicate a.s -> b.s;  
    b.s.x := b.s.x + 1;  
    communicate b.s -> a.s;  
  }  
}
```



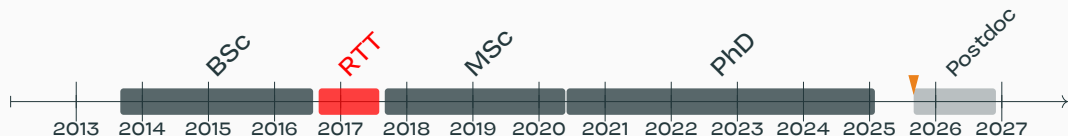
“Verified Parameterized Choreographies” (1)

```
choreography incrStoreN(Store s, N) {  
  endpoint a[tid := 0 .. N] = Role(s, tid);  
  endpoint b[tid := 0 .. N] = Role(null, tid);  
  requires a.s.x > 0;  
  ensures a.s.x > 2;  
  run {  
    a.s.x := a.s.x + 1;  
    communicate a[i: 0 .. N].s -> b[i].s;  
    b.s.x := b.s.x + 1;  
    communicate b[i: 0 .. N].s -> a[i].s;  
  }  
}
```

Timeline

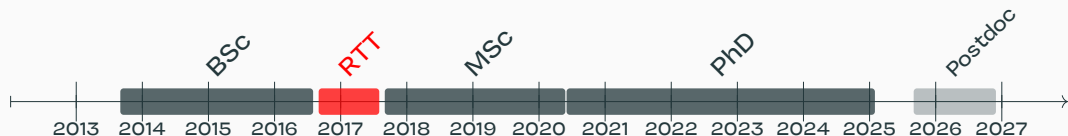


Timeline



- MSc thesis: first time no green light
- Rejected papers (exceptions paper, shared memory paper)
- Rejected artefact (JavaBIP)
- Rejected extended abstract (iFM PhD symposium)
- Missed artefact deadline for implementation (parameterization paper)
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- Always thinking: “I have no clue what I’m doing.”

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You might never have a clue, and failure is unavoidable.

