

# CSMR-WCRE 2014 SOFTWARE EVOLUTION WEEK (SEW)

**Most Influential Paper  
from CSMR and WCRE 2004!**



# **Influence and Impact**

**Ten years on, which of the CSMR and WCRE papers from 2004 should be considered the most influential?**

**Which has made an impact on our field providing the basis for many other cool and interesting papers?**



**How did we identify the CSMR  
and WCRE 2004 Most Influential  
Paper?**

# First some numbers...

**16**

**Candidates**

**8**

**WCRE papers**

**8**

**CSMR papers**

# The process...



STEP I  
Analysis of paper citations  
(Quantitative analysis)

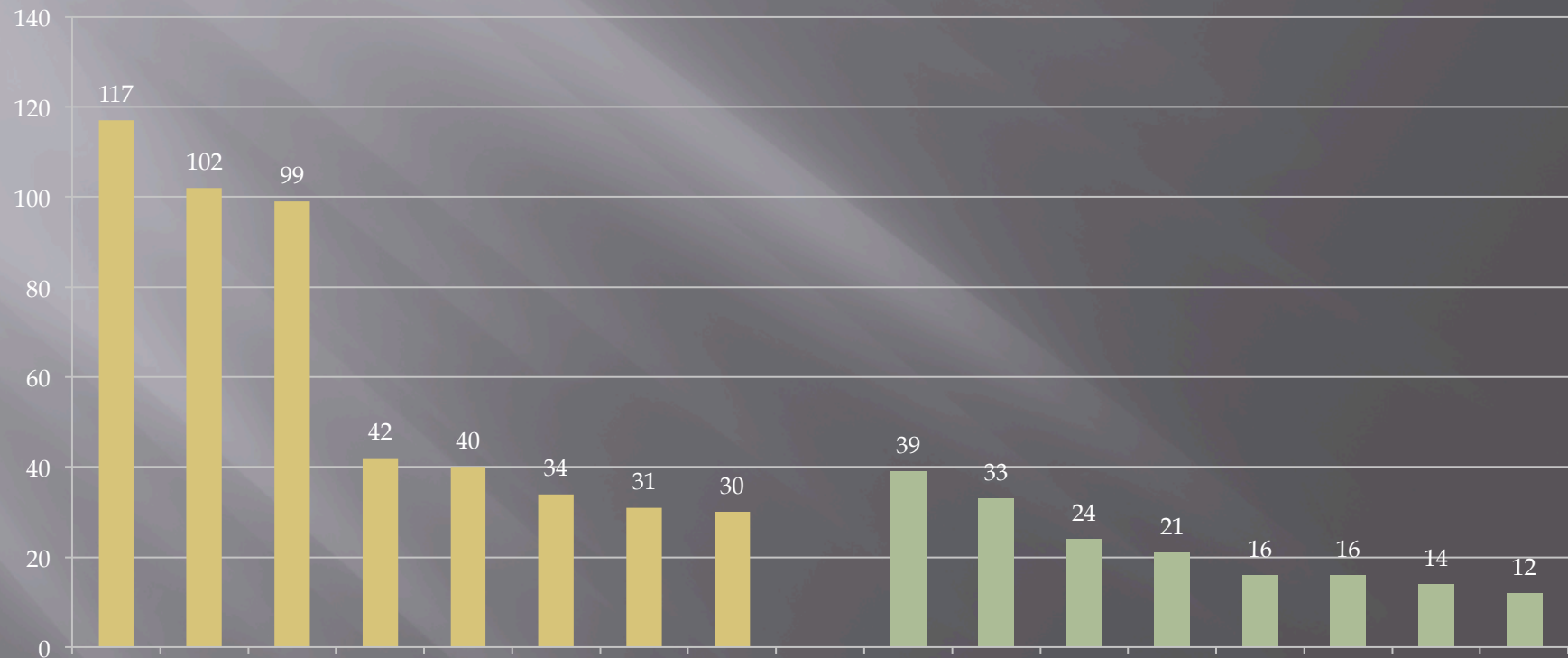


STEP 2  
Ask the PC members to vote  
(Qualitative analysis)





# STEP 1: Citations...

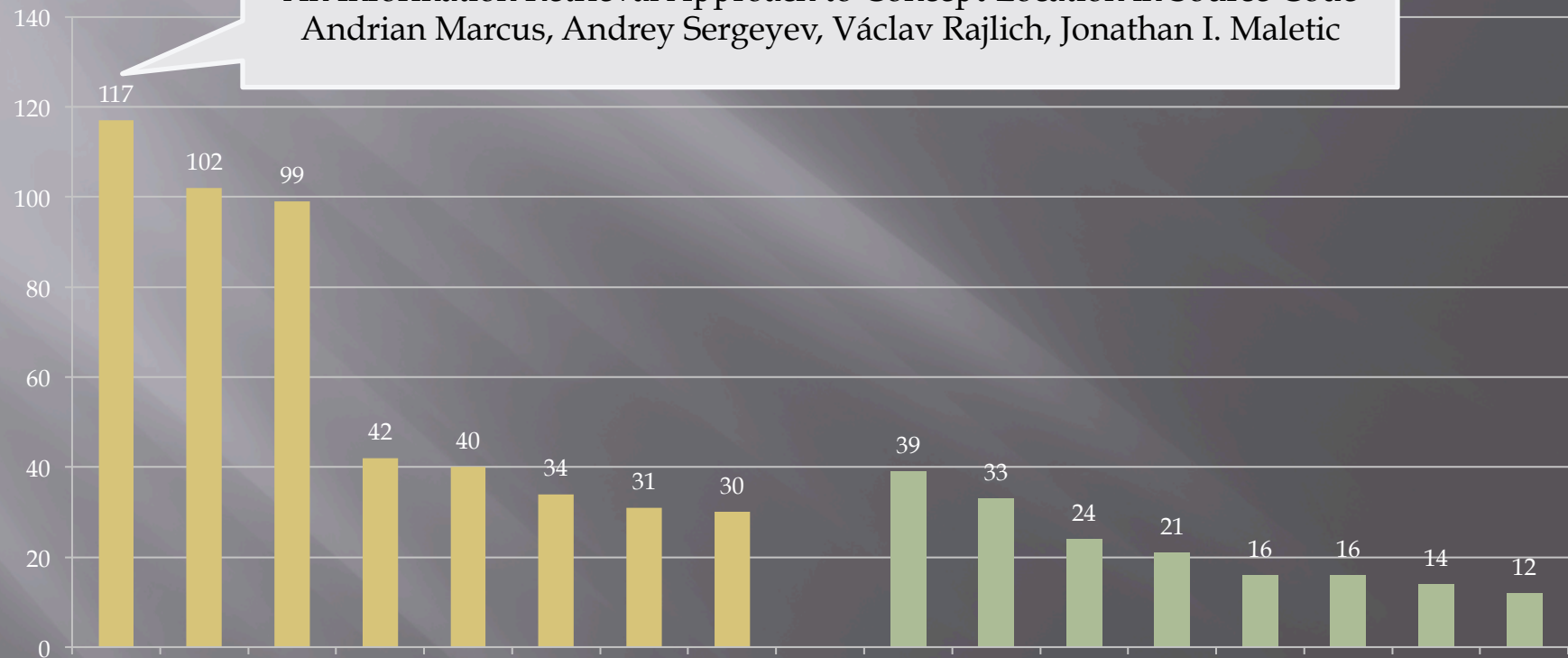


**WCRE**

**CSMR**

# STEP 1: Citations...

An Information Retrieval Approach to Concept Location in Source Code  
Andrian Marcus, Andrey Sergeyev, Václav Rajlich, Jonathan I. Maletic

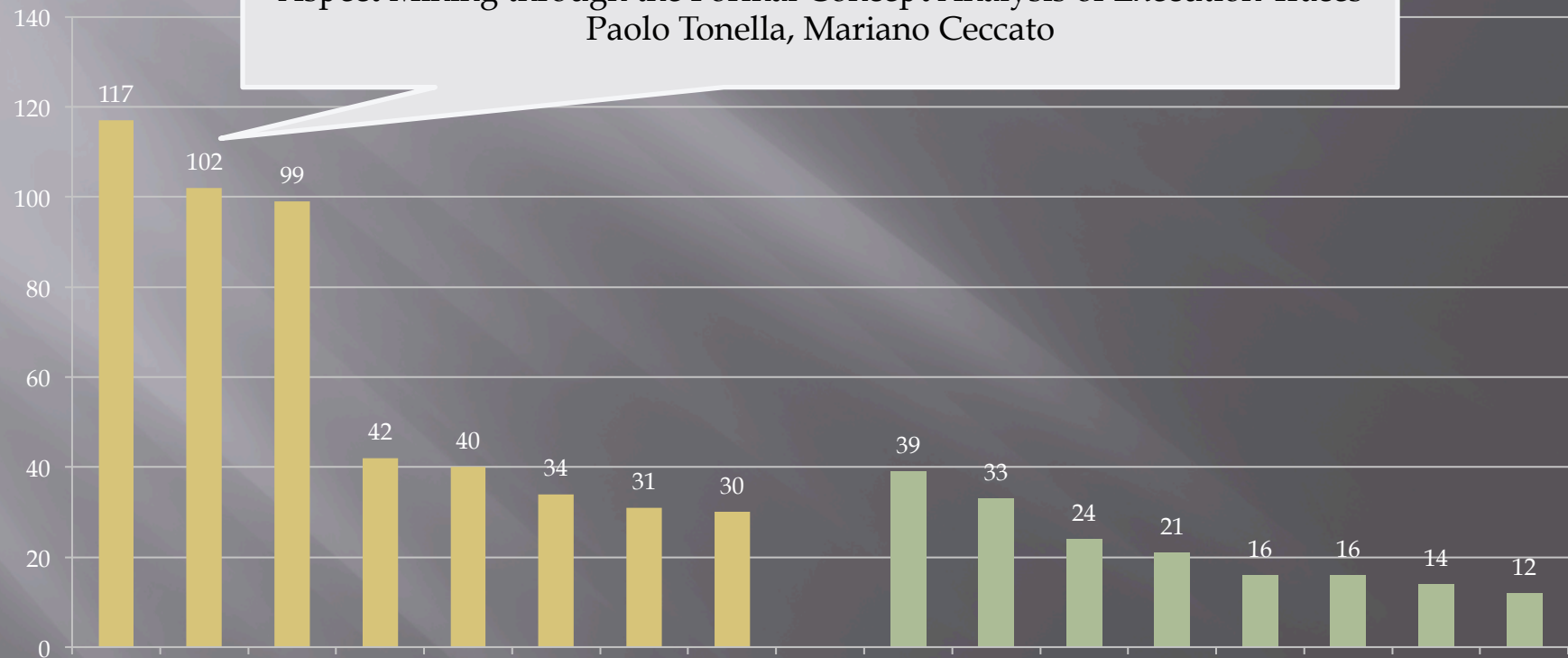


**WCRE**

**CSMR**

# STEP 1: Citations...

Aspect Mining through the Formal Concept Analysis of Execution Traces  
Paolo Tonella, Mariano Ceccato



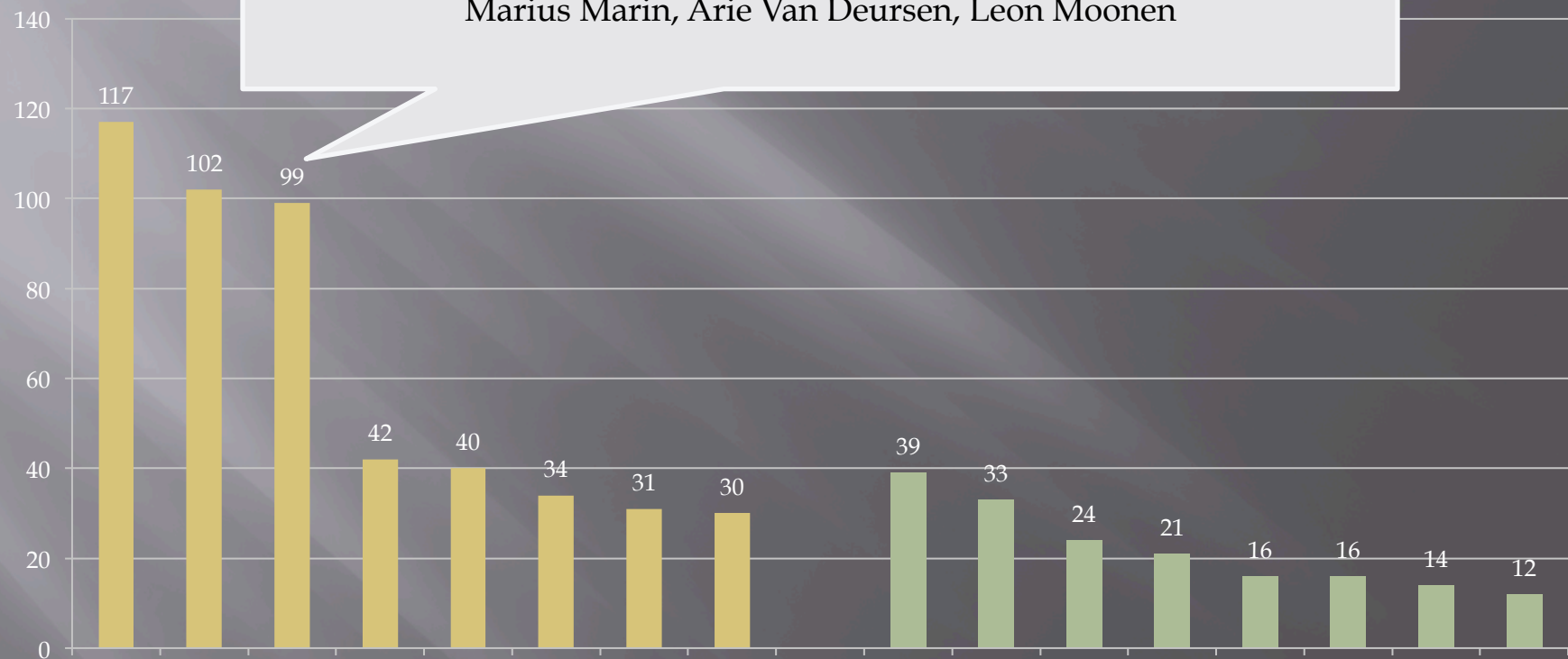
**WCRE**

**CSMR**



# STEP 1: Citations...

Identifying Aspects Using Fan-In Analysis  
Marius Marin, Arie Van Deursen, Leon Moonen



**WCRE**

**CSMR**

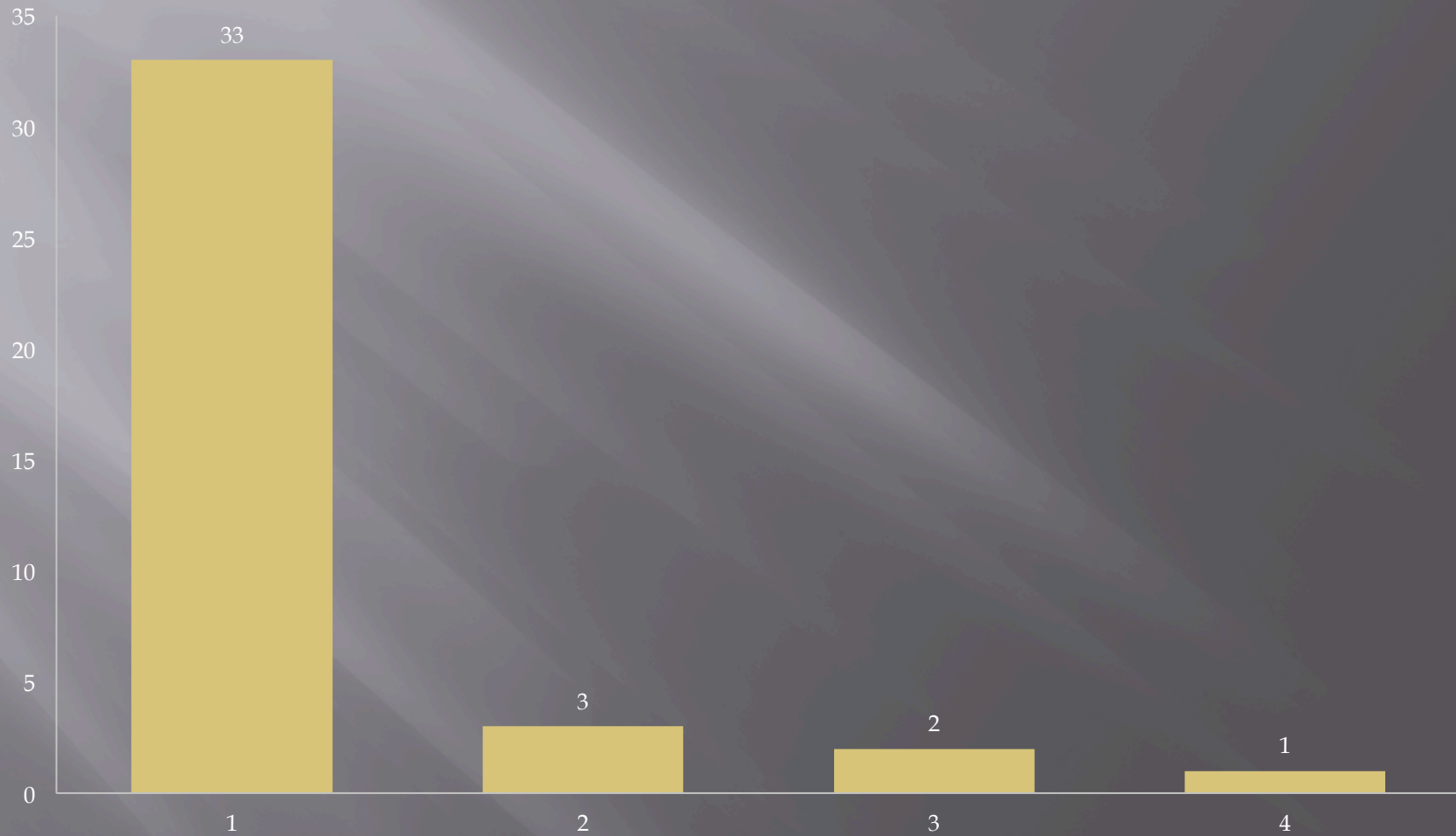
# STEP 2: Survey...

We invited the 88 **PC members to provide their opinion**  
via Google Drive  
One week to respond!

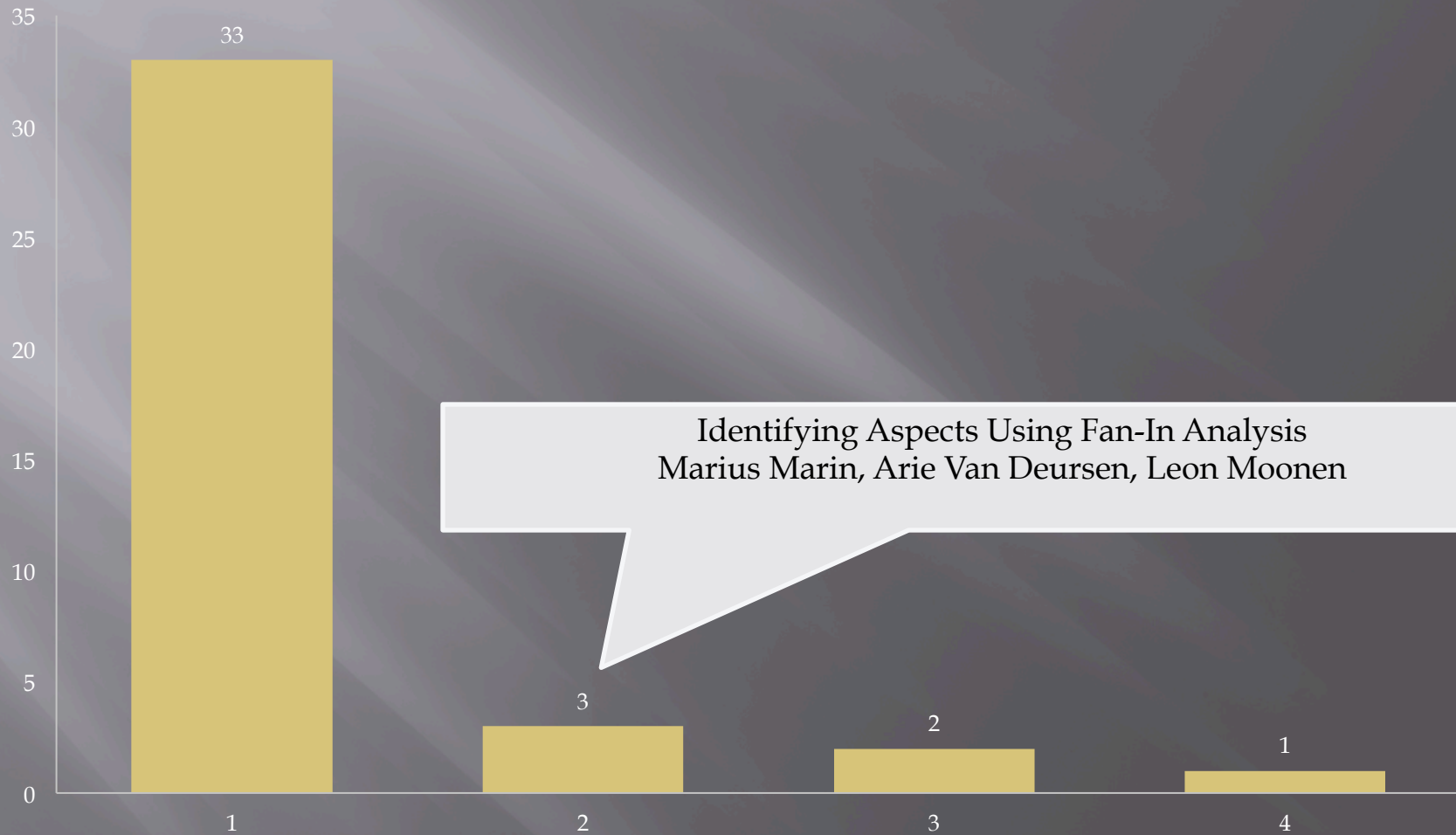
We collected **39 votes**



# STEP 2: Votes...



# STEP 2: Votes...



Identifying Aspects Using Fan-In Analysis  
Marius Marin, Arie Van Deursen, Leon Moonen

**With**

**117**

**citations in 10 years**

**(284 in Google Scholar)**

**and**

**33**

**votes**

**the winner is...**



# An Information Retrieval Approach to Concept Location in Source Code

**by**

Andrian Marcus

Václav Rajlich

Andrey Sergeyev

Jonathan Maletic

# Presented by



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