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## Queries documentation

### Activity Repository

**Find all the activities which belong to a specific conference:**

```
select a from Activity a where a.conference.id=?1
```

### Actor Repository

**Find an Actor by his UserAccount:**

```
select a1 from Actor a1 where a1.userAccount = ?1
```

**Find an Actor by his user name:**

```
select a from Actor a where a.userAccount.username = ?1
```

**Find an Actor by his UserAccount Id:**

```
select a from Actor a where a.userAccount.id = ?1
```

### Administrator Repository

**Find an Administrator by his UserAccount Id:**

```
select a from Administrator a where a.userAccount.id = ?1
```

### Author Repository

**Find an Author by his UserAccount Id:**

```
select a from Author a where a.userAccount.id = ?1
```

**Find all Authors:**

```
select a from Author a
```

### CameraReadyPaper Repository

**Find all the CameraReadyPapers by the id of the Conference to which they belong:**

```
select c from CameraReadyPaper c where c.submission.conference.id=?1
```

**Find all the CameraReadyPapers by his Author:**

```
select c from CameraReadyPaper c where c.submission.author.id=?1
```

### Category Repository

**Find the child Categories of a Category:**

```
select c from Category c where c.parent = ?1
```

**Find the Categories which do not appear in any Conference:**

```
select c from Category c where c.parent is not null and c not in  
(select conf.category from Conference conf))
```

### Comment Repository

**Find all the Comments of an Activity, Report or Conference by their Id:**

```
select c from Comment c where c.commentable.id=?1
```

### Conference Repository

**Find all the past Conferences in final mode:**

```
select c from Conference c where c.endDate < NOW() and c.finalMode='1'
```

**Find all the forthcoming Conferences in final mode:**

```
select c from Conference c where c.startDate > NOW() and  
c.finalMode='1'
```

**Find all the running Conferences in final mode:**

```
select c from Conference c where c.startDate <= NOW() and c.endDate >=  
NOW() and c.finalMode='1'
```

**Find all the Conferences in final mode:**

```
select c from Conference c where c.finalMode='1'
```

**Find all the Conferences that are not in final mode:**

```
select c from Conference c where c.finalMode='0'
```

**Find the Conferences that correspond to the keyword in final mode:**

```
select c from Conference c where (c.title like %:keyword% or c.venue  
like %:keyword% or c.acronym like %:keyword% or c.summary  
like %:keyword%) and c.finalMode='1'
```

**Find all the Conferences that correspond to the keyword:**

```
select c from Conference c where (c.title like %:keyword% or c.venue  
like %:keyword% or c.acronym like %:keyword% or c.summary  
like %:keyword%)
```

**Count the number of Registrations of a Conference:**

```
select count(r) from Registration r where r.conference.id=?1
```

**Find Conferences by a keyword:**

```
select c from Conference c where (c.title like %?1% or c.acronym  
like %?1% or c.venue like %?1% or c.summary like %?1%) and  
c.finalMode=1
```

**Find Conferences by start date:**

```
select c from Conference c where c.startDate >= ?1 and c.finalMode = 1
```

**Find Conferences by end date:**

```
select c from Conference c where c.endDate <= ?1 and c.finalMode =1
```

**Find Conferences by maximum fee:**

```
select c from Conference c where c.fee <= ?1 and c.finalMode = 1
```

**Find Conferences by their Category:**

```
select c from Conference c where c.category = ?1 and c.finalMode=1
```

**Find forthcoming Conferences not submitted:**

```
select c from Conference c where c.submissionDeadline > NOW() and  
c.finalMode='1' and c not in (select s.conference from Submission s  
where s.author.id=?1)"
```

**Find forthcoming Conferences not registered:**

```
select c from Conference c where c.startDate > NOW() and  
c.finalMode='1' and c not in (select r.conference from Registration r  
where r.author.id=?1)
```

**Find forthcoming Conferences submitted:**

```
select c from Conference c where c.startDate > NOW() and  
c.finalMode='1' and c in (select s.conference from Submission s where  
s.author.id=?1)
```

**Find the Conferences which submission deadline has expired:**

```
select c from Conference c where c.submissionDeadline  
between :fiveDaysAgo and NOW()
```

**Find the Conferences which notification deadline has elapsed:**

```
select c from Conference c where c.notificationDeadline between NOW()  
and :nextFiveDays
```

**Find the Conferences which camera ready paper deadline has elapsed:**

```
select c from Conference c where c.cameraReadyDeadline between NOW()  
and :nextFiveDays
```

**Find the Conferences that are organized soon:**

```
select c from Conference c where c.startDate between NOW()  
and :nextFiveDay
```

**Find all the past Conferences:**

```
select c from Conference c where c.startDate between NOW()  
and :nextFiveDays
```

**Find all the forthcoming Conferences:**

```
select c from Conference c where c.startDate > NOW()
```

**Find all the running Conferences:**

```
select c from Conference c where c.startDate <= NOW() and c.endDate >= NOW()
```

**Find the Conference titles of the last year:**

```
select c.title from Conference c where c.startDate  
>= :lastTwelveMonths
```

**Find the Conference summaries of the last year:**

```
select c.summary from Conference c where c.startDate  
>= :lastTwelveMonths
```

**Find the Conferences with submissions:**

```
select c from Conference c where c in (select s.conference from  
Submission s )
```

**Find the Conferences with registrations:**

```
select c from Conference c where c in (select r.conference from  
Registration r)
```

**Find Conferences by category:**

```
select c from Conference c where c.category = ?1
```

[Customisation Repository](#)

**Find the buzz words in Spanish:**

```
select b from Customisation c join c.buzzWordsEsp b
```

**Find the buzz words in English:**

```
select b from Customisation c join c.buzzWordsIng b
```

## Dashboard Repository

**Minimum, maximum, average and standard deviation of the number of submissions per conference:**

<code>select avg(1.0*(select count(s) from Submission s where s.conference.id =c.id)) from Conference c</code>
<code>select min(1*(select count(s) from Submission s where s.conference.id =c.id group by s.conference)) from Conference c</code>
<code>select max(1*(select count(s) from Submission s where s.conference.id =c.id group by s.conference)) from Conference c</code>
<code>select stddev(1.0*(select count(s) from Submission s where s.conference.id =c.id)) from Conference c</code>

**Minimum, maximum, average and standard deviation of the number of registrations per conference:**

<code>select avg(1.0*(select count(r) from Registration r where r.conference.id =c.id)) from Conference c</code>
<code>select min(1*(select count(r) from Registration r where r.conference.id =c.id group by r.conference)) from Conference c</code>
<code>select max(1*(select count(r) from Registration r where r.conference.id =c.id group by r.conference)) from Conference c</code>
<code>select stddev(1.0*(select count(r) from Registration r where r.conference.id =c.id)) from Conference c</code>

**Minimum, maximum, average and standard deviation of the conference fees:**

<code>select avg(c.fee) from Conference c</code>
<code>select min(c.fee) from Conference c</code>
<code>select max(c.fee) from Conference c</code>
<code>select stddev(c.fee) from Conference c</code>

**Minimum, maximum, average and standard deviation of the number of days per conference:**

<code>select c.startDate from Conference c</code>
<code>select c.endDate from Conference c</code>

**The minimum, the maximum, the average, and the standard deviation of the number of conferences per category:**

```
select avg(1.0*(select count(c) from Conference c where c.category.id = cat.id)) from Category cat
```

```
select min(1*(select count(c) from Conference c where c.category.id = cat.id group by c.category)) from Category cat
```

```
select max(1*(select count(c) from Conference c where c.category.id = cat.id group by c.category)) from Category cat
```

```
select stddev(1.0*(select count(c) from Conference c where c.category.id = cat.id)) from Category cat
```

**The minimum, the maximum, the average, and the standard deviation of the number of comments per conference:**

```
select avg(1.0*(select count(c) from Comment c where c.commentable.id = a.id)) from Conference a
```

```
select min(1*(select count(c) from Comment c where c.commentable.id = a.id group by c.commentable)) from Conference a
```

```
select max(1*(select count(c) from Comment c where c.commentable.id = a.id group by c.commentable)) from Conference a
```

```
select stddev(1.0*(select count(c) from Comment c where c.commentable.id = a.id)) from Conference a
```

**The minimum, the maximum, the average, and the standard deviation of the number of comments per activity:**

```
select avg(1.0*(select count(c) from Comment c where c.commentable.id = a.id)) from Activity a
```

```
select min(1*(select count(c) from Comment c where c.commentable.id = a.id group by c.commentable)) from Activity a
```

```
select max(1*(select count(c) from Comment c where c.commentable.id = a.id group by c.commentable)) from Activity a
```

```
select stddev(1.0*(select count(c) from Comment c where c.commentable.id = a.id)) from Activity a
```

## [Message Repository](#)

**Find the Messages sent by an Actor:**

```
select m from Message m where m.sender = ?1
```

## [Panel Repository](#)

**Select Panel by his id:**

```
select p from Panel p where p.id=?1
```

**Select Panel which Conference is in final mode:**

```
select p from Panel p where p.conference in (select c from Conference
c where c.finalMode='1')
```

[Presentation repository](#)

**Select Presentation by his id:**

```
select p from Presentation p where p.id=?1
```

**Select Presentation which Conference is in final mode:**

```
select p from Presentation p where p.conference in (select c from
Conference c where c.finalMode='1')
```

[Registration repository](#)

**Find a Registration by his Author and the Conference:**

```
select r from Registration r where r.author.id = ?1 and
r.conference.id = ?2
```

**Find Registrations by his Author:**

```
select r from Registration r where r.author.id = ?1
```

**Find Registrations by Conference:**

```
select r from Registration r where r.conference.id = ?1
```

**Find Authors registered in a Conference:**

```
select r.author from Registration r where r.conference.id = ?1
```

[Report Repository](#)

**Find Reports by Submission:**

```
select r from Report r where r.submission.id = ?1
```

**Find Reports by Reviewer:**

```
select r from Report r where r.reviewer.id = ?1
```

**Find Reports by Submission not under review:**

```
select r from Report r where r.submission.id=?1 and
r.submission.status!='UNDER-REVIEW'
```

[Reviewer Repository](#)

**Find Reviewer by his UserAccount id:**

```
select a from Reviewer a where a.userAccount.id = ?1
```



## Section Repository

**Select the Sections of a Tutorial:**

```
select s from Section s where s.tutorial.id=?1
```

## Sponsor Repository

**Find Sponsor by his UserAccount id:**

```
select s from Sponsor s where s.userAccount.id = ?1
```

## Sponsorship Repository

**Select the Sponsorships by their Sponsor:**

```
select r from Sponsorship r where r.sponsor.id = ?1
```

## Submission Repository

**Select Submissions by their Authors:**

```
select s from Submission s where s.author.id = ?1
```

**Select Submissions by one of their Reviewers:**

```
select s from Submission s where ?1 member of s.reviewers
```

**Select Submissions under review by one of their Reviewers:**

```
select s from Submission s where s.status = 'UNDER-REVIEW' and ?1  
member of s.reviewers
```

**Select accepted Submissions:**

```
select s from Submission s where s.author.id=?1 and  
s.conference.cameraReadyDeadline > NOW() and s.status = 'ACCEPTED' and  
s not in (select c.submission from CameraReadyPaper c)
```

**Select Submissions under review:**

```
select s from Submission s where s.status = 'UNDER-REVIEW'
```

**Select Submissions under review with Reports:**

```
select distinct r.submission from Report r where r.submission.status =  
'UNDER-REVIEW' and r.submission.conference.id=?1
```

**Select Authors with Submissions in a specific Conference:**

```
select s.author from Submission s where s.conference.id = ?1
```

**Select all Submissions without CameraReadyPaper:**

```
select s from Submission s where s not in (select crp.submission from  
CameraReadyPaper crp)
```

## Tutorial Repository

**Find a Tutorial by his ID:**

```
select t from Tutorial t where t.id=?1
```

**Find the Sections of a Tutorial:**

```
select s from Section s where s.tutorial.id=?1
```

**Find all the Tutorial of a specific Conference:**

```
select t from Tutorial t where t.conference.id = ?1
```