

# COMP 3311: Database Management Systems

## Conference Submission Review Management System

### Task 2: Relation Schemas

The following relation schemas should be used for Task 2. The primary key of each relation schema is underlined and shown in red color. A foreign key is shown in italic font *and* also in bright blue color if not part of a primary key.

Assigned(submissionNo smallint, personId smallint)

AuthorOf(submissionNo smallint, personId smallint)

Discussion(sequenceNo smallint, submissionNo smallint, personId smallint, comments varchar2(200))

PCChair(personId smallint)

PCMember(personId smallint)

Person(personId smallint, username char(10), title char(5), name varchar2(50), institution varchar2(100), country varchar2(30), email varchar2(50))

Prefers(submissionNo smallint, personId smallint, preference smallint)

Review(submissionNo smallint, personId smallint, relevant char(1), technicallyCorrect char(1), lengthAndContent char(1), confidence number(2,1), originality smallint, impact smallint, presentation smallint, technicalDepth smallint, overallRating smallint, mainContribution varchar2(300), strongPoints varchar2(300), weakPoints varchar2(300), overallSummary varchar2(300), detailedComments varchar2(1000), confidentialComments varchar2(300))

Submission(submissionNo smallint, title varchar2(100), abstract varchar2(300), submissionType varchar2(20), status varchar2(9), *contactAuthor* smallint)

## **Constraints**

In addition to any constraints that either are described in the problem description, are derivable from the example E-R schema for Task 1 or can be inferred from common sense and/or real-world knowledge, the Task 2 relation schemas also should constrain the values of the attributes listed below to only the indicated values. Only constraints that can be expressed on a single table should be specified.

<b><u>Attribute</u></b>	<b><u>Allowed and default values</u></b>
Person.title	Mr, Ms, Miss, Dr, Prof (the default value is null)
email	unique
submissionType	demo, industrial, research, vision (the default value is research)
preference	1, 2, 3, 4, 5 (the default value is null)
status	accept, reject, withdrawn (the default value is null)
username	minimum 3 and maximum 10 lowercase letters (the default value is null)

For the Review relation, the allowed values for many of the attributes are given in Appendix A of the project description.