Software Requirements

PRODUCT PERSPECTIVE

The objective of a Conference Management System is to support the automatic management of information related to scientific conferences. This information concern: the authors submitting proposals, the members of the Program Committee, the submissions' abstract and full papers proposed, meta-information about these, the deadlines for different phases of sending proposals, assigning paper to reviewers, evaluation deadline and announcing the results of paper valuation. Once the accepted proposals are known, the different sections of the conference are decided; each accepted paper is planned to be presented in a section. Each conference participant has to pay the registration. The conference participants which can be: session chairs, speakers or listeners.

USER CLASS AND CHARACTERISTICS

AUTHOR:

- Registers user account (name, affiliation, email address).
- Login
- Submit the abstract and fulfills the meta-information required: the name of the proposal, the keywords, the topics, the possible list of authors and their meta-information
- Upload the full paper (either .pdf or .msword format)
- Can upload new versions of already submitted abstracts and papers
- Choose in which section they intend to participate in

- Upload on the conference site the content of the presentation by means of a .pdf or .ppt(x) file

Uploading proposals can be done before the deadline shown on the conference site and on the "Call for papers"

There can be 2 deadlines, one for the abstract and another for the proposal.

If an author's proposal gets accepted, he becomes a Speaker.

Authors are announced by email about their results.

PROGRAM COMMITTEE MEMBER:

- Registers PC member account (name, affiliation, email address, personal website, username, password)
- Bid proposals (accept/refuse to review a paper)
- Review paper (qualifiers: strong accept, accept, weak accept, borderline paper, weak reject, reject, strong reject).
- Discuss papers in order to get closer evaluations
- Attach set of recommendations to evaluated proposals
- Upload results of evaluation
- See other evaluations (from other reviewers) of the same paper
- Login as authors
- Can supervise a section

There is a deadline for bidding

Papers refused in the bidding phase are not assigned to reviewers.

There can be 2-4 reviewers.

Papers who do not have any level of reject are accepted by default.

Papers who do not have any level of acceptance are rejected by default.

If a PC member logins as author, they cannot see neither which are the reviewers of their paper nor the comments between reviewers

A speaker cannot be the chair of the section in which she/he presents his paper

The session chairs are randomly assigned(?)

Conference Chair and Conference Co-chair are PC members

CONFERENCE CHAIR AND CONFERENCE CO-CHAIR:

- Can change deadlines by postponing them
- Assign to each reviewer the papers required to be evaluated
- Request reviewers to discuss in order to get closer evaluations
- Decide if another new evaluation from a different reviewer will be required or if the paper will be rejected or accepted
- Organize a conference edition and the information is posted to the conference site (name of the conference, date, "Call for papers", deadlines, the Program Committee, conference section and program)

EXTERNAL INTERFACE REQUIREMENTS

USER INTERFACES

- Front-end software: Angular, HTML, CSS
- Back-end software: spring, WEB server-Undertow

HARDWARE INTERFACES

- Operating systems: windows
- Web browser: Chorme (most browsers will work though)

SOFTWARE INTERFACES

Following are the software used for the Conference Management System (CMS) web application

Software used	Description
Operating system	We will use Windows operating system for its best support and user-friendliness.
Angular	In order to implement our web application, and to connect the front-end and back-end components we have chosen Angular, to express them clearly and succinctly.
CSS	We will be using CSS to create a friendly and stunning design for our application.
Spring	In order to connect and manage our data regarding speakers, authors, committee and conference members we will use the Spring framework.
Java+Hibernate	We will be using Java and Hibernate to manage the database and the back-end arhitecture.