Application name: Conference Management System

Implementation method: Web Application

Purpose: support the automatic management of information related to scientific conferences

**Note: PC members can also log in as authors.**

Entities:
- **Conference event**
  - Name
  - Interval of time
    - Start date
    - End date
  - „Call for papers" (?)
  - Deadlines for paper submission
    - Abstract deadline
    - Paper deadline
      - May or may not be different
  - The Program Committee members
  - Conference sections
  - Program/Schedule
  - Level

Phases:
- **Preliminary phase**
  - Actors:
    - Program Committee members
      - Conference chair
      - Conference co-chair
  - Actions:
    - Committee members upload their personal information in order to gain access to the information about the conference
    - Committee members have the permission to change conference deadlines to later dates
  - Entities:
    - Committee member:
      - Name
      - Affiliation
      - E-mail address
      - Personal web-page link
      - Username
      - Password
- **Phase #1**
  - Actors:
    - People interested in submitting a proposal

- ○ Actions:
    - People create accounts by filling in fields with information
    - The created account is validated
    - The person logs in
    - The person fills in the information about the abstract
    - Upload the full paper (only for some conferences)
    - Upload proposal (only before its deadline)
    - Upload new versions for the abstract and the paper (update, only until the deadline)
- ○ Entities:
    - Submitters:
        - Name
        - Affiliation
        - E-mail address
    - Proposals:
        - Name
        - Keywords
        - Topics
        - List of possible authors
            - ○ Meta-information about authors
        - Deadline
        - Type:
            - ○ Paper
            - ○ Abstract
    - Full paper
        - File type:
            - ○ .pdf
            - ○ .msword
    - Authors (supposed fields):
        - Name
        - Date of birth
        - E-mail address
        - Country of origin
        - Website
- **Phase #2**
    - ○ Actors:
        - Program Committee members
            - Conference chair
            - Conference co-chairs
        - Reviewers
        - Authors
    - ○ Actions:
        - Committee members bid the proposals (only until the bidding deadline)
            - Brief analysis of abstract or paper
            - Accept or reject to review paper

- The conference chair or co-chairs assign to each reviewer papers to be evaluated
    - Constraint: reviewers do not receive papers they have rejected in the bidding phase
    - Constraint: there need to be at least two and at most 4 different reviewers per paper
- The reviewer gives a result:
    - Strong acceptance
    - Acceptance
    - Weak acceptance
    - Borderline paper
    - Weak rejection
    - Rejection
    - Strong rejection
- The reviewer gives a justification for their result
- The reviewer sees the other sees the other evaluations of the same paper by different reviewers
    - Constraint: only after they submitted their own result
- Determine final result for a paper:
    - If there are no rejects, of any kind => accepted
    - If there are no accepts, of any kind => rejected
    - Contradictory evaluation:
        - The reviewers discuss the result
        - The chair selects a new reviewer to accept or reject
- Announce the authors of the papers (via e-mail) about the result of their paper
- Authors are invited to improve their papers taking into account the reviews
    - Constraint: the paper was accepted
- **Phase #3**
    - Actors:
    - Actions:
        - Papers are presented, in parallel
        - Participants choose the presentations they will be attending
        - Constraint: a speaker cannot be the chair of a presentation
        - Before the presentation, speakers upload their presentation on the site
            - Formats
                - .pdf
                - .ppt
    - Entities:
        - Conference sections:
            - Supervisor : PC member
            - Speakers : Author
            - Participants
                - Chair (supervisor?)
                - Speakers

- ○ Listeners
- ● Assigned room
- ● Number of participants
  - ○ > 100 => labeled important conferences