**Risks and counter measures**

**1. Concurrency/Duplication**

Risk:

There might be a case of duplication of application entry where there are more than one same paper belongs to one applicants and submitted to different field. This may increase unnecessary redundancy of the system and program committee may not realize it.

Countermeasure:

System should have specific ID for each applications form even if the applicants have the same name, since a case where two persons have the same name and surname might happen.

Acceptable Level of Risk after Countermeasure: ACC

**2. Loss or deletion**

Risk:

There also might be a case where the applications details may be lost or accidently delete somewhere in the process.

Countermeasures:

A method to notify the applicants every time their application is process through a certain stage (so they are certain that their details are updated to a certain stage).

Acceptable Level of Risk after Countermeasure: ACC

**3 Errors report**

Risk:

A functional failure (Technical reasons cause unknown error).

Countermeasures:

Replacement technology then consult a professional and sending the error message to the developer directly.

Acceptable Level of Risk after Countermeasure: ACC

**4 Super user Logout**

Risk:

Staff/Admin may forget logout which cause other person can control background system.

Countermeasures:

The system should indicated that person are no longer has the using action should be logout with a set time or logout automatically.

Acceptable Level of Risk after Countermeasure: ACC

**5 Security**

Risk:

Hacker attack the system.

Countermeasures:

The system should use famous fire-wall open-source software with to avoid the intrusion of background and database (especially relate to the financial issues).

Acceptable Level of Risk after Countermeasure: ACC

**6 Operational errors**

Risk:

While using unfamiliar interface may cause operation faults.

Countermeasures:

Some crucial operations will pop-up warning message and give suitable suggestion. If operation fault is caused by continuous/ multiple pressing operations, the system should handle it and rollback gracefully.

Acceptable Level of Risk after Countermeasure: ACC

**7 Storage**

Risk：

Long time running system will cause not enough space to store papers.

Countermeasures:

Some of old papers can be archived or destroyed decided by program committee or set appropriate storage such as a growing file system such as ZFS and add new disks if it is necessary.

Acceptable Level of Risk after Countermeasure: ACC