

# Example of a Gaia Role Schema

<b>Role Schema:</b> ReviewCatcher	
<b>Description:</b> This role is in charge of selecting reviewers and distributing papers among them.	
<b>Protocol and Activities:</b> <u>CheckPaperTopic</u> , <u>CheckRefereeExpertise</u> , <u>CheckRefereeConstraints</u> , <u>AssignPaperReferee</u> , <u>ReceiveRefereeRefuse</u> , <u>UpdateDBSubmission</u> , <u>UpdateDBReferee</u>	
<b>Permissions:</b>	
Reads	<i>paper_submitted</i> // in order to check the topic and authors <i>referee-data</i> // in order to check the expertise and constraint (i.e. the referee is one of the authors, or belong to the same organization)
Changes	<i>DB Submission</i> // assigning a referee to the paper <i>DB Referee</i> // assigning the paper to the referee incrementing the number of assigned papers
<b>Responsibilities:</b>	
<b>Liveness:</b> ReviewCatcher = ( <u>CheckPaperTopic</u> . <u>CheckRefereeExpertise</u> . <u>CheckRefereeConstraints</u> . <u>AssignPaperReferee</u> . [ReceiveRefereeRefuse]   <u>UpdateDBSubmission</u> . <u>UpdateDBReferee</u> ) <sup>n</sup>	
<b>Safety:</b> <ul style="list-style-type: none"> <li>AssignPaperReferee =&gt; Referee ≠ authors ∧ Referee_organization ≠ authors_organizations</li> <li>∀ paper: number_of_referees = 3</li> </ul>	

# Example of a Gaia Role Schema

<b>Role Schema:</b> ReviewPartitioner
<b>Description:</b> This role is in charge of distributing papers among Vice-Chairs according to the area of competence.
<b>Protocol and Activities:</b> <u>CheckPaperTopic</u> , <u>CheckViceChairArea</u> , AssignPaperViceChair, <u>UpdateDBSubmission</u>
<b>Permissions:</b> Reads <i>paper_submitted</i> // in order to check the topic and authors <i>Vice-Chair-data</i> // in order to check the area Changes <i>DB Submission</i> // assigning the paper to a Vice-Chair area
<b>Responsibilities:</b> <i>Liveness:</i> ReviewPartitioner = ( <u>CheckPaperTopic</u> . <u>CheckViceChairArea</u> . AssignPaperViceChair. <u>UpdateDBSubmission</u> )" <i>Safety:</i> <ul style="list-style-type: none"><li>•    <math>\forall</math> paper assigned to a ViceChairArea</li></ul>