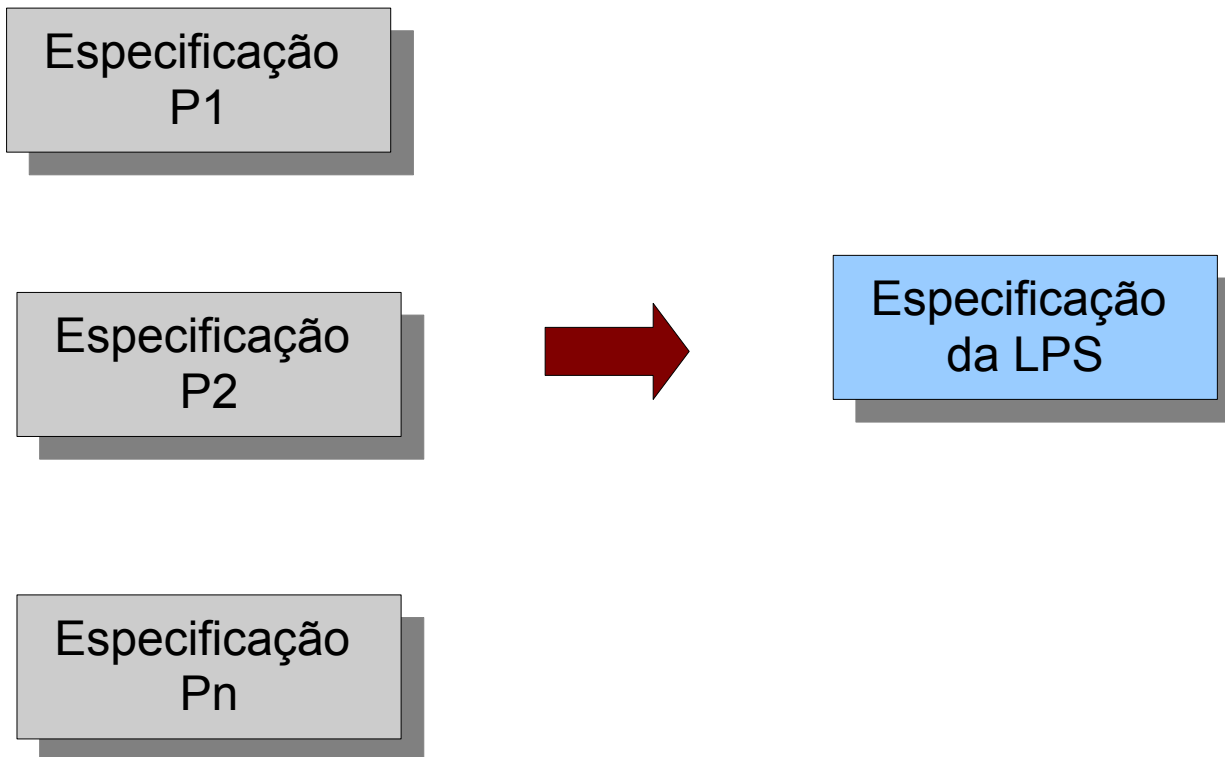


Extração de Especificações em LPS (Resultados Iniciais)

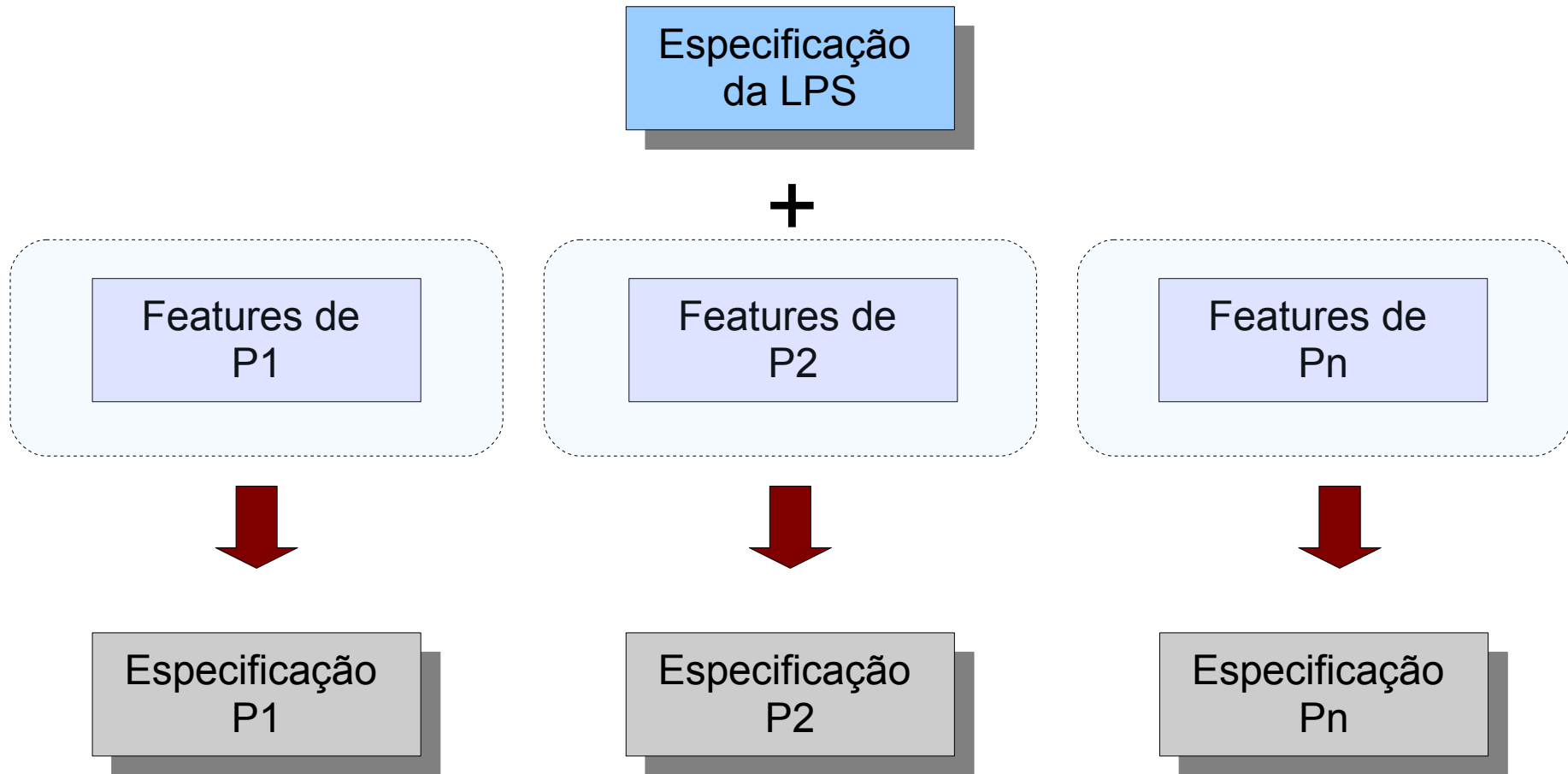
Rodrigo Bonifácio
Paulo Borba

Atividades realizadas



Extração de especificações em LPS

Quando a extração é correta, temos:



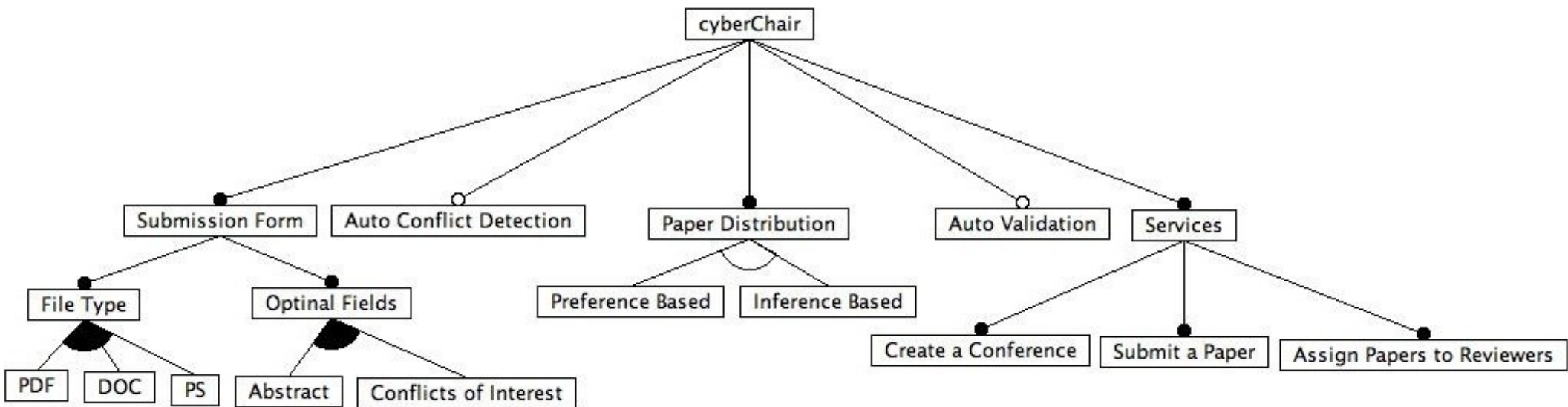
Ou seja,

- Se não pudermos derivar os produtos originais, a extração está errada.
- Outros fatores a observar:
 - Facilidade de evolução
 - Grau de reúso ou duplicidade

Resultados iniciais

- Problemas recorrentes encontrados nas especificações
- Possíveis razões
 - (1) Falta de experiência nas técnicas PLUSS / MSVCM
 - (2) Falta de concentração durante a atividade
 - (3) Dificuldades no uso da ferramenta
 - (4) ...

Exemplo (Easy Chair)



Assign papers to reviewers (preference based)

...

-	The system assigns the paper to the selected reviewer. The process may be repeated until the general chair selects the option check distribution of papers.
The general chair selects the Check Distribution of Papers option.	The system verifies that all papers have been assigned to at least three reviewers and that each reviewer have been assigned to a uniformly distribution of papers. If any fault is found, the system will not able the program chair to close the assignment and this process repeat until all constraints have been solved.
The general chair selects the Close Assignment of Papers option.	The system sends the evaluation forms and urls of assigned papers to each reviewer.
	The system starts the period of paper evaluation, allowing the members of the program committee to send their revisions.

Assign papers to reviewers (inference based)

...

User Action	System Response
The general chair selects the Assign Papers to Reviewers option in the main menu.	The system retrieves and shows the list of submitted papers. The number of reviewers assign to each paper is shown to the general chair.
The general chair selects the auto distribution process (available only in products that are configured with the Inference Based distribution process).	The system, considering <ul style="list-style-type: none">- the related topics of each paper- the number of reviewers per paper- the number of papers per reviewer, and- the reviewer's interest and knowledge in the topics automatically generate a distribution of the papers to the reviewers, showing it to the general chair.
The general chair is able to change the assignment of papers to reviewers.	The system verifies that all constraints are being obeyed . If it this is not true, this process must repeat.
The general chair selects the Close Assignment of Papers option.	The system sends the evaluation forms and urls of assigned papers to each reviewer.
-	The system starts the period of paper evaluation, allowing the members of the program committee to send their revisions.

Extração (errada) em PLUSS

Code	Feature	User Action	System Response
...			
SC03.6	Inference Based	The general chair is able to change the assignment of papers to reviewers.	The system verifies that all constraints are being obeyed . If it this is not true, this process must repeat.
SC03.7	Preference Based	The system verifies that all constraints are being obeyed . If it this is not true, this process must repeat.	The system verifies that all papers have been assigned to at least three reviewers and that each reviewer have been assigned to a uniformly distribution of papers. If any fault is found, the system will not able the program chair to close the assignment and this process repeat until all constraints have been solved.

...

Submit a paper

(Feature auto-validation selected)

...

The main author informs the paper's title, authors' data, and related topics. Selects the Proceed option.	The system updates the paper's submission with the informed title, authors' data, and related topics.
-	The system asks the main author to upload the paper in one of the valid formats (PDF, DOC).
The main author uploads the file corresponding to the submitted version of the paper.	The system updates the paper's submission with the uploaded file.
-	The system verifies that the numbers of pages and characters adhere to the conference's constraints.
-	The system verifies that all fonts are embedded in the paper and that the images obey the conference's restrictions.
-	The system presents a summary of the submission and sends a message to the paper's authors.

Off-line submission (Feature auto-validation selected)

User Action	System Response
The author selects the Offline Submission option in the main menu.	The system asks the main author to create an authentication profile (that requires an email address and password).
The main author informs the email address and password.	The system creates the author authentication profile, and asks him to submit upload both electronic form and paper.
The main author uploads the requested files.	The system extracts from the electronic form the submission data.
-	The system creates a conventional submission of the paper.
-	The system verifies that the numbers of pages and characters adhere to the conference's constraints.
-	The system verifies that all fonts are embedded in the paper and that the images obey the conference's restrictions.
-	The system presents a summary of the submission and sends a message to the paper's authors.

Extração (errada) em MSVCM...

6 Advice: ADV3

6.1 Description:

This advice is fired if feature "Auto Validation" is enabled

6.2 Pointcut:

After: SC01.6

6.3 Flow of events

Code	Feature	User Action	System Response
ADV03-01	-	-	The system verifies that the numbers of pages and characters adhere to the conference's constraints.
ADV03-02	-	-	The system verifies that all fonts are embedded in the paper and that the images obey the conference's restrictions.

... resultou em duplicação

This optional scenario allows authors to submit their papers in the offline mode. It is available in products that do not require extended data (such as abstract of conflicts).

1.2 Flow of events

Code	Feature	User Action	System Response
SC02.1	-	The author selects the Offline Submission option in the main menu.	The system asks the main author to create an authentication profile (that requires an email address and password).
SC02.2	-	The main author informs the email address and password.	The system creates the author authentication profile, and asks him to submit upload both electronic form and paper.
SC02.3	-	The main author uploads the requested files.	The system extracts from the electronic form the submission data.
SC02.4	-	-	The system creates a conventional submission of the paper.
SC02.5	-	-	The system verifies that the numbers of pages and characters adhere to the conference's constraints.
SC02.6	-	-	The system verifies that all fonts are embedded in the paper and that the images obey the conference's restrictions.
SC02.7	-	-	The system presents a summary of the submission and sends a message to the paper's authors.

Técnica errada de variação

- No cenário abaixo, o uso de parâmetros seria mais adequado. Por que?

sixty seconds	-	After sixty seconds, the front door is closed.
thirty seconds	-	After thirty seconds, the front door is closed.

Configuration Knowledge (errado)

- Foco exclusivo nos produtos "atuais"

Expression	Transformations
and(Abstract,ConflictsOfInterests,AutoValidation)	select scenario SC01, which evaluates advice ADV01, which evaluates advice ADV02, which evaluates advice ADV3
AND (Off-line Submission of Papers, AutoValidation, and(not(Abstract), not(ConflictsOfInterest)) (Auto Conflict Detection)	select scenario SC02, which evaluates advice ADV03
PaperDistribution=InferenceBased	select scenario SC04
PaperDistribution=PreferenceBased	select scenario SC03, which evaluates advice ADV04
AutoValidation	select scenario SC03, which evaluates advice ADV05
ConflictsOfInterest	evaluate advice ADV03
FileType	evaluate advice ADV02
Abstract	bind parameter FileType to FileType
	evaluate advice ADV01

Configuration Knowledge (correto)

- Foco na configuração da LPS

Expression	Transformations
Preference Based	evaluate advice ADV05
Auto Conflict Detection	select scenario SC04
CyberChair	select scenario SC03
Inference Based	evaluate advice ADV04
Auto Validation	evaluate advice ADV03
Off-line Submission	select scenario SC02
Conflicts of Interest	evaluate advice ADV02
File Type	bind parameter FT to File Type
cyberChair	select scenario SC01
Abstract	evaluate advice ADV01

Ações

- Disponibilizar versões corretas das especificações
- Nova release do sistema (permitindo alterar cenários e passos)
- Ter uma nova iteração (08 e 10 de junho) relacionada com extração de especificações em LPS
- Sugestões???