

Practical application of TRIZ to novel electrical devices development

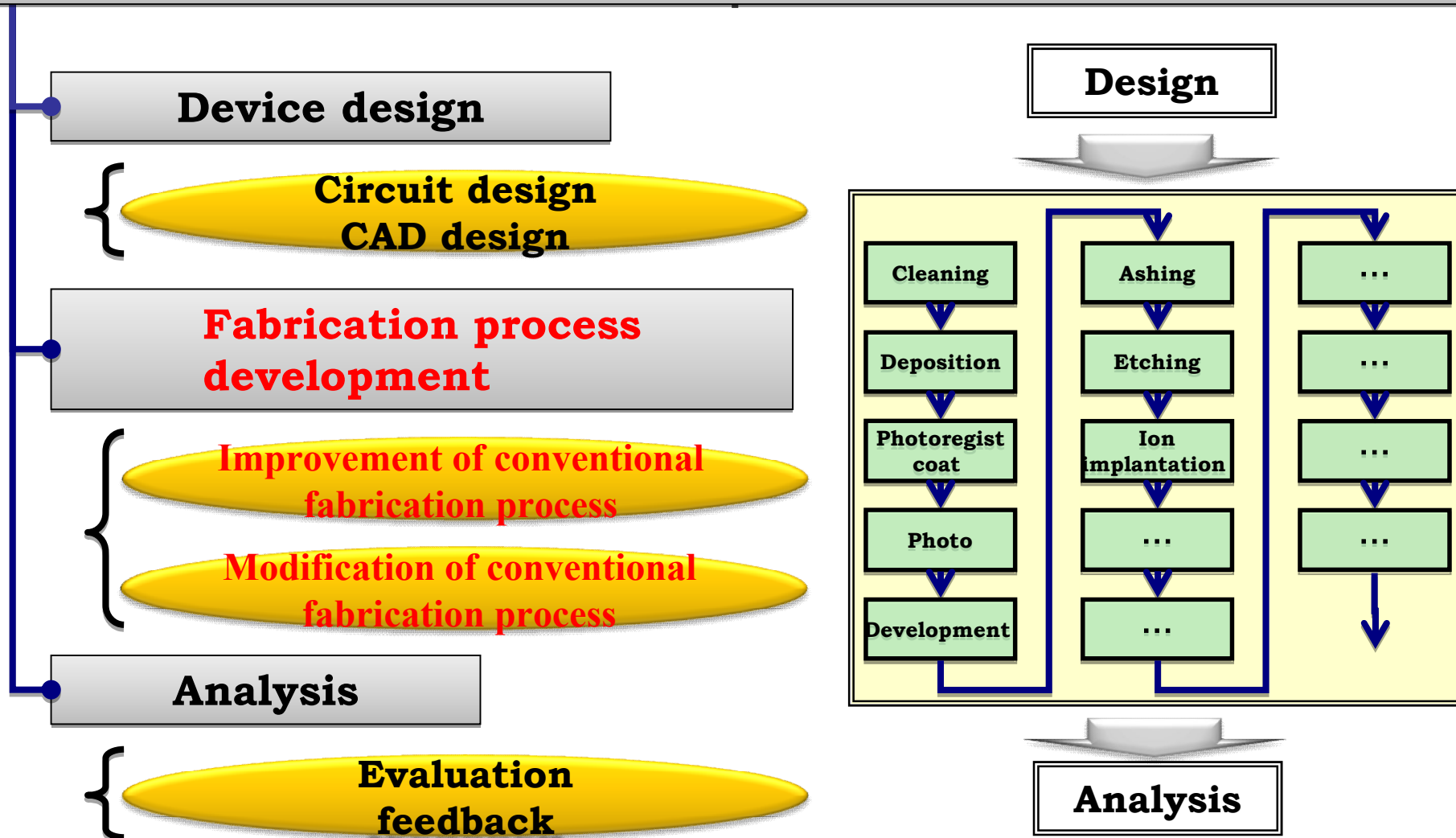


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I . Background

Research and development of novel electrical devices





II. Purpose

Is TRIZ useful for our research and development?

(1) How effective is TRIZ in our research and development?

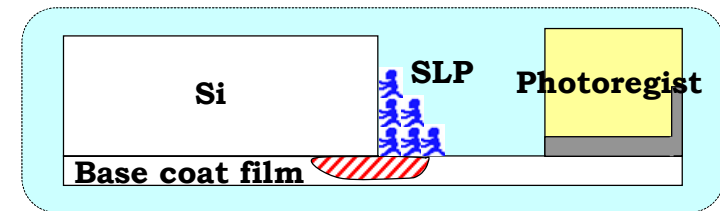
(2) Which procedure is the best way to use TRIZ in the fabrication process development?

(3) How does TRIZ affect our members?

III. Application of TRIZ

Problem in new fabrication process development

Application of TRIZ



- We achieved an excellent idea in a day.
- We came up with the idea that person in charge of fabrication process couldn't propose .

No.	SLP method	Idea	Evaluation		
			influence on another part	Prospect	Cost
A1	We restore the base coat film.	Deposition	Bad	Bad	Bad
A2	We cover the base coat film.	We form the side wall.	Good	Very good	Good
A3		We change the processing shape of Si.	Very good	Very good	Very good
A4		We change resist pattern.	Excellent	Excellent	Excellent
A5		We don't etch all the gate insulation film.	Excellent	Excellent	Excellent

We consequently confirmed that TRIZ is effective in our research and development.