COST 526	"Automatic Process Optimization in Materials Technology" (APOMAT)	
Title of Proposal:	Advanced Parameter Optimization Methods Preliminary Used for Casting Processes	
Project Leader:	Dr. Bogdan Filipic	
Organization:	Jozef Stefan Institute, Jamova 39, SI-1000 Ljubljana, Slovenia	**E-Mail:** bogdan.filipic@ijs.si

Work Packages		Coworker Months	2001				2002												2003												2004							
			9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8
WP 1	**Optimization algorithm design**	**6**		**x**	**x**	**x**	**x**	**x**	**x**																													
WP 1.1	Definition of parameter search space	2		x	x	x	x																															
WP 1.2	Objective function design	3				x	x	x	x																													
WP 1.3	Design of simulator-optimizer interface	1					x	x	x																													
WP 2	**Optimization algorithm implementation**	**9**						**x**	**x**	**x**	**x**	**x**	**x**	**x**	**x**	**x**	**x**																						
WP 2.1	Implementation of optimization procedures	5						x	x	x	x	x	x	x	x																								
WP 2.2	Simulator optimizer integration	3											x	x	x	x	x																					
WP 2.3	Preparation of test case inputs	1													x	x	x																					
WP 3	**Algorithm testing & tuning**	**9**													**x**	**x**	**x**	**x**	**x**	**x**	**x**	**x**	**x**	**x**	**x**	**x**												
WP 3.1	Preliminary numerical experiments	5													x	x	x	x	x	x	x	x																
WP 3.2	Analysis of search space properties	2																x	x	x	x	x																
WP 3.3	Algorithm hybridization and parameter tuning	2																			x	x	x	x	x	x												
WP 4	**Application**	**9**																	**x**	**x**	**x**	**x**	**x**	**x**	**x**	**x**	**x**	**x**	**x**	**x**	**x**	**x**	**x**	**x**	**x**	**x**	**x**	**x**
WP 4.1	Optimization of selected industrial castings	6																	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x			
WP 4.2	Evaluation of results	3																												x	x	x	x	x	x	x	x	x