

Monday

8:40 Opening

9:00 Invited talk

E.G. Coffman, Jr.

IDEAL PREEMPTIVE SCHEDULES

9:50 Preemptive

F. Sourd

PREEMPTIVE AND NON-PREEMPTIVE SCHEDULING WITH IRREGULAR COST FUNCTIONS

10:15

P. Baptiste; M. Sviridenko

STRUCTURAL PROPERTIES OF PREEMPTIVE PARALLEL MACHINE SCHEDULES

10:40 Break

11:10

B. Esteve; C. Aubijoux; A. Chartier; V. T'Kindt

A RECOVERING BEAM SEARCH ALGORITHM FOR THE SINGLE MACHINE JUST-IN-TIME SCHEDULING PROBLEM

11:20

V. Jost; N. Brauner; W. Kubiak

ON SMALL DEVIATION CONJECTURE FOR JIT SCHEDULING

11:30

T. Kis

A BRANCH-AND-CUT APPROACH FOR SCHEDULING OF PROJECTS WITH VARIABLE-INTENSITY ACTIVITIES

11:40

E. den Boef; D. den Hertog

SCHEDULING VARIABLE-BIT-RATE DATA TO MINIMIZE TOTAL RESOURCE COSTS

11:50

A. Elkhyari; C. Gueret; N. Jussien

SOLVING DYNAMIC RCPSP USING EXPLANATION-BASED CONSTRAINT PROGRAMMING

12:00

A. Grigoriev; V. A. Strusevich

DEDICATED PARALLEL MACHINES SCHEDULING WITH A SINGLE SPEEDING-UP RESOURCE

12:10

N. V. Shakhlevich; V. A. Strusevich

ON TWO BICRITERIA SCHEDULING PROBLEMS WITH CONTROLLABLE PROCESSING TIMES

12:20

G.Pawlak

SARA - THE SIMULATION TOOL FOR FLEXIBLE MANUFACTURING SYSTEMS

15:00 Invited talk

C. Potts

LOCAL SEARCH FOR SCHEDULING: THEORY AND PRACTICE

15:25

15:50 Local search

C. Oguz; M. F. Ercan

A COMPARISON OF LOCAL SEARCH ALGORITHMS FOR SCHEDULING MULTIPROCESSOR TASKS

16:15

P. Brucker; T. Kampmeyer

TABU SEARCH ALGORITHMS FOR CYCLIC MACHINE SCHEDULING PROBLEMS

16:40 break

17:10 On-line

J. Boyar; L. M. Favrholt

THE RELATIVE WORST ORDER RATIO FOR ON-LINE ALGORITHMS

17:35

L. Epstein

SEMI-ONLINE SCHEDULING ON TWO RELATED MACHINES: TIGHT, TIGHTER, TIGHTEST

18:00

R. van Stee; H. La Poutre

MINIMIZING THE TOTAL COMPLETION TIME ON-LINE ON A SINGLE MACHINE, USING RESTARTS

Tuesday

9:00	Invited talk	G. Finke	SCHEDULING ON BATCHING MACHINES
9:50	Batch	B. Chen; Y. Ye; J. Zhang	LOT-SIZING SCHEDULING WITH BATCH SETUP TIMES
10:15		Ch. Keung Poon; W. Yu	MINIMIZING TOTAL COMPLETION TIME IN BATCH MACHINE SCHEDULING
10:40	Break		
11:10		A. Abdekhodae; S. Dunstall; A. T. Ernst; M. Krishnamoorthy; R. M. Ebbe; M. van der Heiden; J. Hurink; M. Schutten	ON SCHEDULING AND ROSTERING IN DEMAND-DRIVEN RAIL TRANSPORT SYSTEMS
11:20		M. Ebbe; M. van der Heiden; J. Hurink; M. Schutten	SCHEDULING VEHICLES IN AN UNDERGROUND CARGO TRANSPORTATION SYSTEM, PART 1
11:30		M. Ebbe; M. van der Heiden; J. Hurink; M. Schutten	SCHEDULING VEHICLES IN AN UNDERGROUND CARGO TRANSPORTATION SYSTEM, PART 2
11:40		T. J. Winterer	FLIGHT SWAPPING WITH RETIMING
11:50		Benoit Dupont de Dinechin	LARGE-SCALE INSTRUCTION SCHEDULING CHALLENGES
12:00		C. Artigues	ORDERED GROUP ASSIGNMENT OF JOBS TO MAXIMISE FLEXIBILITY IN ROBUST SCHEDULING: MODELS AND POLYNOMIAL ALGORITHMS
12:10		H. Brasel; N. Shakhlevich	LISA - FIT FOR COOPERATIVE DEVELOPMENT
12:20		M. van den Akker; K. De Bontridder; R. van Geel; H.	SIMULATION OF A JOB SHOP SCHEDULING STRATEGY
15:00	Approximation	E. Bampis; A. Kononov	ON THE APPROXIMATION OF THE UET-UCT BICRITERIA SCHEDULING PROBLEM
15:25		M. A. Kubzin; C. N. Potts; V. A. Strusevich	APPROXIMATION SCHEMES FOR THE FLOW SHOP SCHEDULING PROBLEMS WITH NON-AVAILABILITY CONSTRAINTS
15:50		W. Michiels; J. Korst	WORST-CASE PERFORMANCE OF THE DIFFERENCING METHOD FOR MULTIPROCESSOR SCHEDULING
16:15		P. Lemaire; G. Finke; N. Brauner	AN APPROXIMATION SCHEME FOR THE PACKING OF MULTIBIN OBJECTS
16:40	break		
17:10	Misc	P. Brucker; M. Kovalyov	COMPLEX JOB-SHOP SCHEDULING PROBLEMS
17:35		E. M. Arkin; M. A. Bender; S. P. Fekete; S. He; J. S. B. Mitchell;	THE FREEZE-TAG SCHEDULING PROBLEM: HOW TO AWAKEN A SWARM OF ROBOTS
18:00		M. Kubale; A. Nadolski	CHROMATIC SCHEDULING IN CYCLICAL OPEN SHOP

Wednesday

9:00	Invited talk	A.Schulz	FROM LINEAR PROGRAMMING RELAXATIONS TO APPROXIMATION ALGORITHMS: A TOUR D'HORIZON
9:50	Exact methods	F. Della Croce; A. Grosso; V. Th. Paschos	LOWER BOUNDS ON THE APPROXIMATION RATIOS OF LEADING HEURISTICS FOR THE SINGLE MACHINE TOTAL TARDINESS PROBLEM
10:15		A. Agnetis; A. Alfieri; G. Nicosia	A COLUMN GENERATION APPROACH TO A CLASS OF SINGLE-MACHINE PREEMPTIVE SCHEDULING PROBLEMS
10:40	Break		
11:10		C. Esswein; J.-C. Billaut	JOB SHOP SCHEDULING WITH FLEXIBILITY
11:20		Y. Mati; X. Xie	THE TWO-JOB SHOP SCHEDULING PROBLEM WITH MULTI-PURPOSE MACHINES AND BLOCKING CONSTRAINTS
11:30		P. Mauguire; J-L. Bouquard; J-C. Billaut	A BRANCH AND BOUND ALGORITHM FOR A JOB SHOP SCHEDULING PROBLEM WITH AVAILABILITY CONSTRAINTS
11:40		M. A. Kubzin; V. A. Strusevich; J. Breit; G. Schmidt	THE OPEN SHOP SCHEDULING PROBLEM WITH NON-AVAILABILITY CONSTRAINTS: POLYNOMIAL-TIME APPROXIMATION SCHEMES
11:50		P. Brucker; S. Heitmann; J. Hurink; T. Nieberg	JOB-SHOP SCHEDULING WITH BUFFERS
12:00		V. T'Kindt; F. Della Croce; C. Esswein	REVISITING BRANCH AND BOUND SEARCH STRATEGIES FOR MACHINE SCHEDULING PROBLEMS
12:10		M. H. Goldwasser; B. Kerbikov	ADMISSION CONTROL WITH IMMEDIATE NOTIFICATION
12:20		A. Agnetis; G. Ciaschetti; P. Detti	SCHEDULING DIFFERENT SERVICES IN TD-CDMA UMTS

Thursday

9:00	Invited talk	J. Carlier	RCPSP AND CUMULATIVE SCHEDULING PROBLEMS
9:50	Ressource	P. Brucker; S. Heitmann; C. Strotmann	THE RCPSP WITH TIME-DEPENDENT SOURCE AVAILABILITIES AND ITS APPLICATIONS
10:15		M. H. Goldwasser	A SURVEY FOR MAXIMIZING RESOURCE UTILIZATION THROUGH ADMISSION CONTROL
10:40	Break		
11:10		N. Brahim; S. Dauzere-Peres; N. Najid	A LAGRANGIAN RELAXATION HEURISTIC FOR THE CAPACITATED SINGLE ITEM LOT SIZING PROBLEM WITH TIME WINDOWS
11:20		C. Blum	COMBINING ANT COLONY OPTIMIZATION WITH BEAM SEARCH TO SOLVE SHOP SCHEDULING PROBLEMS
11:30		P. DellOlmo; A. Iovanella; G. Lulli	HEURISTIC APPROACH TO STOCHASTIC MULTIPROCESSOR TASK SCHEDULING
11:40		F. Drews; K. H. Ecker; O. Kao; S. Schomann	AN EVOLUTIONARY ALGORITHM FOR WORKLOAD BALANCING IN PARALLEL IMAGE DATABASES
11:50		A. Swiecicka; F. Sredynski	MULTIPROCESSOR SCHEDULING AND RESCHEDULING WITH USE OF CELLULAR AUTOMATA
12:00		A. Toniolo Staggemeier; A. R. Clark; J. Smith	GENETIC ALGORITHM + LINEAR PROGRAMMING TO SOLVE A LOT-SIZING AND SCHEDULING PROBLEM
12:10		A. Lazarev; A. Kvaratskhelia	METHODS TO RESEARCH PROBLEM OF SCHEDULING THEORY MINIMIZING TOTAL TARDINESS ON SINGLE MACHINE $1  ST_j$
12:20		M-L. Espinouse; M. Jacomino; M. Sbihi	SCHEDULING JOBS AND ONE TIME-DEPENDENT UNAVAILABILITY PERIOD ON ONE MACHINE
15:00	Application	M. Drozdowski; P. Wolniewicz	MULTIINSTALLMENT VERSUS OUT-OF-CORE DIVISIBLE LOAD PROCESSING
15:25		J. Korst; J. van Gassel; R. Wijnands	SCHEDULING BUFFER REFILLS IN PORTABLE MULTIMEDIA STORAGE
15:50		J. Aerts; J. Korst; F. Spieksma	APPROXIMATION OF A RETRIEVAL PROBLEM IN INTERNET SERVERS
16:15		K. R. Pruhs	POWER MANAGEMENT
16:40	break		
17:10	Misc	J. Blazewicz; E. Pesch; M. Sterna; F. Werner	DYNAMIC PROGRAMMING FOR 2-MACHINE SHOP PROBLEMS WITH WEIGHTED LATE WORK CRITERION
17:35		A. Munier-Kordon	VARIANTS OF THE TWO-MACHINES FLOW-SHOP WITH PRECEDENCE CONSTRAINTS
18:00		W. Kubiak	THE LIU-LAYLAND PROBLEM REVISITED

Friday

9:00	Invited talk	G. Woeginger	FAIR DIVISION OF A SHARED RESOURCE
9:50	sensitivity analysis	K., I-J. Ho; J., Y-T. Leung	SCHEDULING IMPRECISE COMPUTATION TASKS TO MINIMIZE DUAL CRITERIA OBJECTIVE
10:15		B. Kalyanasundaram; M. Velauthapillai	EFFECTS OF MIGRATION AND LOSS OF CHANNELS IN VARIABLE DATA RATE ENVIRONMENTS
10:40	Break		
11:10	stochastic	M. van den Akker; H. Hoogeveen	ACCEPT OR REJECT IN A STOCHASTIC ENVIRONMENT
11:35		A. Coja-Oghlan; T. Nierhoff; S. O. Krumke	SCHEDULING A SERVER ON A CATERPILLAR NETWORK A PROBABILISTIC ANALYSIS
12:00		J. Jozefowska; M. Mika; R. Rozycki; G. Waligora;	SENSITIVITY ISSUES IN DISCRETE-CONTINUOUS SCHEDULING
12:10		M. Ghirardi	MAKESPAN MINIMISATION ON UNRELATED PARALLEL MACHINES: A RECOVERING BEAM SEARCH APPROACH
12:20		V. Ha Do; C. Hanen; Y. Zinder	SCHEDULING UET TASKS AND PREEMPTIVE TASKS ON PARALLEL PROCESSORS UNDER THE RESTRICTION OF PRECEDENCE CONSTRAINTS
12:30		F. Tercinet; E. Neron; C. Lente; J. Carlier	SATISFIABILITY TESTS FOR THE M-MACHINE PROBLEM
15:00	Dedicated machines	S. Vo; A. Witt	FLEXIBLE FLOW SHOP SCHEDULING WITH BATCHING REQUIREMENTS AND LIMITED INTERMEDIATE STORAGE
15:25		N. Bansal; A. Blum; S. Chawla; K. Dhamdhare	SCHEDULING FOR FLOW-TIME WITH ADMISSION CONTROL
15:50		F. Mangione; N. Brauner; B. Penz	DEGREE OF THE DOMINANT CYCLES IN NO-WAIT ROBOTIC CELLS