

@inproceedings{Vestal2007,

```
author = {Steve Vestal},
book = {Proceedings of the 28th IEEE International Real-Time Systems
Symposium},
title = {{Preemptive Scheduling of Multi-criticality Systems with Varying
Degrees of Execution Time Assurance}},
pages={239-243},
address = {Tucson, Arizona, USA},
date={2007-12-03/2007-12-06}
```

}

@inproceedings{Lakshmanan2011,

```
author={K. Lakshmanan and D. de Niz and R. Rajkumar},
booktitle={Proceedings of the IEEE RTAS},
title={{Mixed-Criticality Task Synchronization in Zero-Slack Scheduling}},
year={2011},
pages={47-56},
}
```

@article{Zhao2014,

```
author={Q. Zhao and Z. Gu and H. Zeng},
journal={Embedded Systems Letters},
title={{A Resource Synchronization Protocol for Certifiable Mixed
Criticality Scheduling}},
year={2014},
pages={8-11},
month=mar}
```

@inproceedings{Brandenburg2014,

```
author={B.B. Brandenburg},
booktitle={Proceedings of the IEEE Real-Time Systems Symposium},
title={{A Synchronous IPC Protocol for Predicatable Access to Shared
Resources in Mixed-Criticality Systems}},
year={2014},
pages={196-206},
month=dec}
```

@article{Zhao2015,

```
author={Q. Zhao and Z. Gu and H. Zeng},
journal={ACM Transactions on Embedded Computing Systems (TECS)},
title={{Resource Synchronization and Preemption Thresholds Within Mixed-
Criticality Scheduling}},
year={2015},
```

```
Volume = {14},  
Issue = {4},  
pages={81}}
```

@inproceedings{Baker1990, IDS={SRP},

```
Author = {T. P. Baker},  
Booktitle = {Proceedings of the 11th IEEE Real-Time Systems Symposium  
(RTSS)},  
Month = Dec,  
Pages = {191-200},  
Title = {{A Stack-Based Resource Allocation Policy for Real-Time  
Processes}},  
Year = {1990}}
```

@inproceedings{Burns2013,

```
author={Alan Burns},  
booktitle={Proceedings of the 1st Workshop on Real-Time Mixed Criticality  
Systems (ReTiMiCS)},  
title={{The Application of the Original Priority Ceiling Protocol to Mixed  
Criticality Systems}},  
year={2013},  
pages={7-11}}
```

@article{Sha1990, IDS={PCP, PIP},

```
Author = {L. Sha and R. Rajkumar and J. P. Lehoczky},  
Journal = {IEEE Transactions on Computers},  
Month = Sep,  
Number = {9},  
Pages = {1175-1185},  
Title = {{Priority Inheritance Protocols: An Approach to Real-Time  
Synchronization}},  
Volume = {39},  
Year = {1990}}
```

@inproceedings{Gratia2014,

```
author={R. Gratia and T. Robert and L. Pautet},  
booktitle={Proceedings of the 8th Junior Researcher Workshop on Real-Time  
Computing, RTNS},  
title={{Adaptation of RUN to Mixed-Criticality Systems}},  
year={2014},  
month=aug}
```

@inproceedings{Gratia2015,

```
author={R. Gratia and T. Robert and L. Pautet},  
booktitle={Proceedings of the 23rd International Conference on Real-Time
```

```
Networks and Systems (RTNS)),
  title={{Generalized Mixed-Criticality Scheduling Based on RUN}},
  year={2015},
  pages={267-276},
  month=nov}
```

@inproceedings{Regnier2011,

```
  author={P. Regnier and G. Lima and E. Massa and G. Levin and S. Brandt},
  booktitle={Proceedings of the 32nd IEEE Real-Time Systems Symposium},
  title={{RUN: Optimal Multiprocessor Real-Time Scheduling Via Reduction to Uniprocessor}},
  year={2011},
  pages={104-115}}
```

@inproceedings{Al-Bayati2015,

```
  author={Z. Al-Bayati and Q. Zhao and A. Youssef and H. Zeng and Z. Gu},
  booktitle={20th Asia and South Pacific Design Automation Conference},
  title={{Enhanced Partitioned Scheduling of Mixed-Criticality Systems on Multicore Platforms}},
  year={2015},
  pages={630-635},
  month=jan}
```

@inproceedings{XuBurns2015,

```
  author={H. Xu and A. Burns},
  booktitle={Proceedings of the 23rd International Conference on Real-Time Networks and Systems (RTNS)},
  title={{Semi-partitioned Model for Dual-core Mixed Criticality System}},
  year={2015},
  pages={257-266},
  month=nov}
```

@inproceedings{LiBaruah2012,

```
  author={H. Li and S.K. Baruah},
  booktitle={In Proceedings of the ECRTS. IEEE Computer Society Press},
  title={{Global Mixed-Criticality Scheduling on Multiprocessors}},
  year={2012},
  pages={99-107},
  month=dec}
```

@article{DavisBurns2011, IDS={MPSurvey}, author = {Davis, Robert I. and Burns, Alan}, title = {A Survey of Hard Real-Time Scheduling for Multiprocessor Systems (Version 5, last updated March 6, 2021)}, year = {2011}, issue_date = {October 2011}, volume = {43}, number = {4}, journal = {ACM Computing Surveys}, month = {oct}, articleno = {35}, numpages = {44} }

@article{GuoBaruah2014,

```
author={Z. Guo and S. Baruah},
journal={Leibniz Transactions on Embedded Systems},
title={{Implementing Mixed-Criticality Systems Upon a Preemptive Varying-Speed Processor}},
year={2014},
Volume = {1},
Issue = {2},
pages={3-103:19},
}
```

@inproceedings{BaruahGuo2014,

```
author={S. Baruah and Z. Guo},
booktitle={Proceedings of the 35th IEEE Real-Time Systems Symposium},
title={{Scheduling Mixed-Criticality Implicit-Deadline Sporadic Task Systems Upon a Varying-Speed}},
year={2014},
pages={31-400},
month=dec}
```

@inproceedings{Guo2016,

```
author={Z. Guo},
booktitle={Proceedings of the 2nd IEEE International Conference on Smart Computing (SMARTCOMP) },
title={{Mixed-Criticality Scheduling on Varying-Speed Platforms with Bounded Performance Drop Rate}},
year={2016},
pages={1-3},
month=may}
```

@inproceedings{GuoBaruah2015,

```
author={Z. Guo and S.K. Baruah},
booktitle={Proceedings of the 23rd Intl. Conf. on Real-Time Networks and Systems},
title={{The Concurrent Consideration of Uncertainty in WCETs and Processor Speeds in Mixed Criticality Systems}},
year={2015},
pages={247-256}}
```

@inproceedings{TheisFohler2013,

```
author={J. Theis and G. Fohler},
booktitle={Proceedings of the 1st International Workshop on Mixed Criticality Systems, RTSS},
title={{Mixed Criticality Scheduling in Time-Triggered Legacy Systems}},
year={2013},
```

```
pages={73-78},  
}
```

```
@article{Baruah2013a,
```

```
author={S. Baruah},  
journal={Journal of Real-Time Systems},  
title={{Implementing Mixed-Criticality Synchronous Reactive Programs Upon  
Uniprocessor Platforms}},  
year={2013},  
Volume = {49},  
Issue = {6},  
pages={715-729},  
month=nov}
```

```
@inproceedings{Yip2014,
```

```
author={E. Yip and M.M.Y Kuo and D. Broman and P.S Roop},  
booktitle={Proceedings of the 19th Real-Time and Embedded Technology and  
Application Symposium (RTAS)},  
title={{Relaxing the Synchronous Approach for Mixed-Criticality Systems}},  
year={2014},  
pages={89-100},  
month=apr}
```

```
@inproceedings{Cohen2014,
```

```
author={A. Cohen and V. Perrelle and D. Potop-Butucaru and E. Soubiran and  
Z. Zhang},  
booktitle={Proceedings of the Workshop on Mixed Criticality for Industrial  
Systems (WMCIS)},  
title={{Mixed-Criticality in Railway Systems: A Case Study on Signaling  
Application. Ada User Journal}},  
year={2014},  
pages={138-143},  
}
```

```
@inproceedings{Socci2013b,
```

```
author={D. Socci and P. Poplavko and S. Bensalem and M. Bozga.},  
booktitle={Proceedings of the 1st International Workshop on Mixed  
Criticality Systems, RTSS},  
title={{Time-Triggered Mixed Critical Scheduler}},  
year={2013},  
pages={67-72},  
month=dec}
```

```
@inproceedings{BaruahGuo2013,
```

```
author={S. Baruah and Z. Guo},
booktitle={Proceedings of the 34th IEEE Real-Time Systems Symposium},
title={{Mixed-criticality Scheduling Upon Varying-Speed Processors}},
year={2013},
pages={68-77},
month=dec}
```

@inproceedings{Guan2011,

```
author={N. Guan and P. Ekberg and M. Stigge and W. Yi},
booktitle={In Proceedings of the 32nd IEEE Real-Time Systems Symposium},
title={{Effective and Efficient Scheduling of Certifiable Mixed-
Criticality Sporadic Task Systems}},
year={2011},
pages={13-23}
```

}

@article{Yao2014,

```
author={C. Yao and L. Qiao and L. Zheng and X. Huagang},
journal={Chinese Journal of Aeronautics},
title={{Efficient Schedulability Analysis for Mixed-Criticality Systems
Under Deadline-Based Scheduling}},
Volume = {27},
Issue = {4},
year={2014},
pages={856-866},
month=aug}
```

@article{EkbergYi2014,

```
author={P. Ekberg and W. Yi},
journal={Journal of Real-Time Systems},
title={{Bounding and Shaping the Demand of Generalized Mixed-Criticality
Sporadic Task Systems}},
Volume = {50},
Issue = {1},
year={2014},
pages={48-86},
month=jan}
```

@inproceedings{BaruahFohler2011,

```
author = {Sanjoy Baruah and G. Fohler},
booktitle = {Proceedings of the 2011 IEEE 32nd Real-Time Systems Symposium
(RTSS)},
title = {{Certification-Cognizant Time-Triggered Scheduling of Mixed-
Criticality Systems}},
pages={3- -12},
```

```
year = {2011}}
```

```
@inproceedings{LipariButtazzo2013,
```

```
  author={G. {Lipari} and G. {Buttazzo}},
  booktitle={In Proceeding of the Workshop on Real-Time Systems: the Past,
the Present, and the Future},
  title={{Resource Reservation for Mixed Criticality Systems}},
  year={2013},
  pages={60-74},
  month=nov}
```

```
@inproceedings{SuZhu2013,
```

```
  author={H. {Su} and D. {Zhu}},
  booktitle={Proceedings of the 2013 Conference on Design, Automation and
Test in Europe (DATE)},
  title={{An Elastic Mixed-Criticality Task Model and Its Scheduling
Algorithm}},
  year={2013},
  pages={147-152},
  month=mar}
```

```
@inproceedings{Su2013,
```

```
  author={H. {Su} and D. {Zhu} and D. {Mosse}},
  booktitle={Proceedings of the 19th Intl. Conf. on Embedded \& Real-Time
Comp. Sys. \& App.},
  title={{Scheduling Algorithms for Elastic Mixed-Criticality Tasks in
Multicore Systems}},
  year={2013},
  pages={352-357}
```

```
}
```

```
@inproceedings{EkbergYi2012li,
```

```
  author={P. Ekberg and W. Yi},
  booktitle={Proceedings of the 24th Euromicro Conference on Real-Time
Systems (ERTCS)},
  title={{Bounding and Shaping the Demand of Mixed-Criticality Sporadic
Tasks}},
  year={2012}}
```

```
@inproceedings{EkbergYi2012,
```

```
  author={P. Ekberg and W. Yi},
  booktitle={In Proceedings of the 24th Euromicro Conference on Real-Time
Systems (ECRTS)},
```

```
title={{Bounding and Shaping the Demand of Mixed-Criticality Sporadic Task Systems}},
year={2012},
pages={135-144},
month=jul}
```

@inproceedings{Baruah2012b,

```
IDS={EDF-VD-Optimal},
author = {Sanjoy Baruah and V. Bonifaci and G. D\nc{' }Angelo and H. Li and A. Marchetti-Spaccamela and S. van der Ster and L. Stougie},
booktitle = {Proceedings of the 24th Euromicro Conference on Real-Time Systems (ECRTS)},
title = {{The Preemptive Uniprocessor Scheduling of Mixed-Criticality Implicit-Deadline Sporadic Task Systems}},
pages={145--154},
year = {2012}
```

}

@inproceedings{Baruah2011a,

```
IDS={EDF-VD, EDF-VD-1},
author={S. {Baruah} and V. {Bonifaci} and G. {D\{'a}ngelo} and A. {Marchetti-Spaccamela} and S. {van der Ster} and L. {Stougie}},
booktitle={19th Annual European Symposium on Algorithms},
title={{Mixed-Criticality Scheduling of Sporadic Task Systems}},
year={2011},
pages={555-566}
```

}

@article{Baruah2015, IDS={EDF-VD-2},

```
author={S. {Baruah} and V. {Bonifaci} and G. {D\{'a}ngelo} and H. {Li} and A. {Marchetti-Spaccamela} and S. {Van Der Ster} and L. {Stougie}},
journal={Journal of the ACM},
title={{Preemptive Uniprocessor Scheduling of Mixed-Criticality Sporadic Task Systems}},
Volume = {62},
Issue = {2},
Number = {14},
year={2015},
month=may}
```

@article{Bate2017, IDS={AMC+2},

```
author = {Bate, Iain and Burns, Alan and Davis, Robert I.},
journal = {IEEE Transactions on Software Engineering},
title = {{An Enhanced Bailout Protocol for Mixed Criticality Embedded Software}},
```

```
number = {4},  
pages = {298--320},  
volume = {43},  
year = {2017}
```

```
}
```

```
@inproceedings{Davis2022, IDS={C-AMC}, author = {Davis, Robert Ian and Burns, Alan and Bate,  
Iain}, title = {Compensating Adaptive Mixed Criticality Scheduling}, year = {2022}, booktitle =  
{Proceedings of the 30th International Conference on Real-Time Networks and Systems (RTNS)},  
pages = {81-93}, location = {Paris, France} }
```

```
@inproceedings{Huang2012,
```

```
author={H. {Huang} and C. {Gill} and C. {Lu}},  
booktitle={Proceedings of the 18th IEEE RTAS},  
title={{Implementation and Evaluation of Mixed-Criticality Scheduling  
Approaches for Periodic Tasks}},  
year={2012},  
pages={23-32},  
month=apr}
```

```
@inproceedings{Niz2013,
```

```
author={D. {de Niz} and L. {Wrage} and A. {Rowe} and R. {Rajkumar}},  
booktitle={Proceedings of the 19th IEEE RTCSA},  
title={{Utility-Based Resource Overbooking for Cyber-Physical Systems}},  
year={2013},  
pages={217-226},  
month=aug}
```

```
@inproceedings{NizPhan2014,
```

```
author={D. {de Niz} and L. T. X. {Phan}},  
booktitle={Proceedings of the 19th IEEE RTAS},  
title={{Partitioned Scheduling of Multi-Modal Mixed-Criticality Real-Time  
Systems on Multiprocessor Platforms}},  
year={2014},  
pages={111-122},  
month=apr}
```

```
@inproceedings{Neukirchner2013a,
```

```
author = {Neukirchner, Moritz and Axer, Philip and Michaels, Tobias and  
Ernst, Rolf},  
title = {{Monitoring of Workload Arrival Functions for Mixed-Criticality  
Systems}},  
booktitle = {Proceedings of the 34th IEEE Real-Time Systems Symposium  
(RTSS)},
```

```
year = {2013},  
pages = {88--96}}
```

@inproceedings{Neukirchner2013b,

```
author={M. {Neukirchner} and K. {Lampka} and S. {Quinton} and R. {Ernst}},  
booktitle={Proceedings of the 2013 CODES+ISSS},  
title={{Multi-Mode Monitoring for Mixed-Criticality Real-Time Systems}},  
year={2013},  
pages={1-10},  
month=sep}
```

@inproceedings{Hu2016b,

```
author={B. {Hu} and K. {Huang} and {Pengcheng Huang} and L. {Thiele} and A.  
{Knoll}},  
booktitle={Proceedings of the 2016 International Conference on Embedded  
Software},  
title={{On-The-Fly Fast Overrun Budgeting for Mixed-Criticality Systems}},  
year={2016},  
pages={1-10},  
month=oct}
```

@inproceedings{Volp2015,

```
author={Marcus V\{"o}lp and Micheal Roitzsch and Hermann H\{"a}rtig},  
booktitle={Proceedings of the 36st IEEE Real-Time Systems Symposium (RTSS),  
Work-in-Process Session},  
title={{Towards an Interpretation of Mixed Criticality for Optimistic  
Scheduling}},  
year={2015},  
page={15--16}}
```

@inproceedings{GuEaswaran2016,

```
author={X. {Gu} and A. {Easwaran}},  
booktitle={Proceedings of the 37th IEEE Real-Time Systems Symposium (RTSS)},  
title={{Dynamic Budget Management with Service Guarantees for Mixed-  
Criticality Systems}},  
year={2016},  
pages={47-56},  
month=nov}
```

@inproceedings{Niz2009,

```
author={D. d. {Niz} and K. {Lakshmanan} and R. {Rajkumar}},  
booktitle={Proceedings of the 30th IEEE Real-Time Systems Symposium (RTSS)},  
title={{On the Scheduling of Mixed-Criticality Real-Time Task Sets}},  
year={2009},  
pages={291-300},
```

```
month=Dec}
```

```
@article{Chen2016,
```

```
author = {Chen, Yao and Shin, Kang G. and Xiong, Huagang},  
title = {{Generalizing Fixed-priority Scheduling for Better Schedulability  
in Mixed-criticality Systems}},  
journal = {Information Processing Letters},  
volume = {116},  
number = {8},  
month = aug,  
year = {2016},  
pages = {508--512}}
```

```
@inproceedings{Ali2014,
```

```
author = {Amjad Ali and Kyong Hoon Kim},  
booktitle = {Proceedings of the 12th IEEE Intel. Conf. on Dependable,  
Autonomic and Secure Computing},  
title = {{Compositional Real-Time Scheduling of Mixed-Criticality Real-Time  
Systems}},  
pages={464-469},  
year = {2014}
```

```
}
```

```
@article{Huang2014a,
```

```
author = {Huang, Huang-Ming and Gill, Christopher and Lu, Chenyang},  
title = {{Implementation and Evaluation of Mixed-criticality Scheduling  
Approaches for Sporadic Tasks}},  
journal = {ACM Transactions on Embedded Computing Systems},  
volume = {13},  
number = {4s},  
month = apr,  
year = {2014},  
articleno = {126}}
```

```
@inproceedings{BurnsDavis2014,
```

```
author={A. {Burns} and R. I. {Davis}},  
booktitle={Proceedings of the 35th IEEE Real-Time Systems Symposium (RTSS)},  
title={{Adaptive Mixed Criticality Scheduling with Deferred Preemption}},  
year={2014},  
pages={21-30},  
month=Dec}
```

```
}
```

@inproceedings{BaruahVestal2008,

```
author={Sanjoy Baruah and Steve Vestal},
booktitle={Proceedings of the 20th Euromicro Conference on Real-Time
Systems (ECRTS)},
title={{Schedulability Analysis of Sporadic Tasks with Multiple
Criticality Specifications}},
pages={147--155},
address={Prague, Czech},
year={2008},
month={July}
```

}

@inproceedings{Zhao2013a,

```
Author = {Q. Zhao and Z. Gu and H. Zeng},
Title = {{Integration of Resource Synchronization and Preemption-Thresholds
into EDF-Based Mixed-Criticality Scheduling Algorithm}},
booktitle={Proceedings of the IEEE 19th International Conference on Embedded
and Real-Time Computing Systems and Applications (RTCSA)},
pages={227-236},
year = {2013}}
```

@inproceedings{Zhao2013b,

```
Author = {Q. Zhao and Z. Gu and H. Zeng},
Title = {{PT-AMC: Integrating Preemption Thresholds into Mixed-Criticality
Scheduling}},
booktitle={Proceedings of the 2013 Conference on Design, Automation and Test
in Europe (DATE)},
pages={141-146},
year = {2013}}
```

@INPROCEEDINGS{DiVito1999,

```
author={Ben L. {Di Vito}},
booktitle={Dependable Computing for Critical Applications 7},
title={{A Model of Cooperative Noninterference for Integrated Modular
Avionics}},
year={1999},
pages={269-286},
month={Jan}}
```

@inproceedings{Baruah2011b, IDS={AMC, Audsley_n(n+1)/2,SMC-NO},

```
author={S. K. {Baruah} and A. {Burns} and R. I. {Davis}},
booktitle={Proceedings of the 2011 IEEE 32nd Real-Time Systems Symposium},
title={Response-Time Analysis for Mixed Criticality Systems},
year={2011},
```

```
pages={34--43},
month=nov}
```

```
@article{Liu1973,
```

```
Author = {C. L. Liu and James W. Layland},
Journal = {Journal of the Association for Computing Machinery (JACM)},
Month = jan,
Number = {1},
Pages = {46-61},
Title = {{Scheduling Algorithms for Multiprogramming in a Hard Real-Time Environment}},
Volume = {20},
Year = {1973}
```

```
}
```

```
@misc{Burns2022,
```

```
author = {Alan Burns and Robert I. Davis},
title = {{Mixed Criticality Systems - A Review (13th Edition)}},
howpublished={\url{https://www-users.york.ac.uk/~ab38/review.pdf}},
month= feb,
year = {2022}
```

```
}
```

```
@article{Burns2017, IDS={TheSurvey},
```

```
author = {Alan Burns and Robert I. Davis},
journal = {ACM Transactions on Embedded Computing Systems},
title = {{A Survey of Research into Mixed Criticality Systems}},
volume = {50},
number={6, Article 82},
pages={1140--1152},
month= dec,
year = {2017}
```

```
}
```

```
@book{Liu2000, author = {Liu, Jane W. S. W.},
```

```
title = {{Real-Time Systems}},
year = {2000},
isbn = {0130996513},
edition = {1st},
publisher = {Prentice Hall PTR},
address = {Upper Saddle River, NJ, USA}}
```

@phdthesis{Mok1983,

```
Author = {A. K. Mok},
School = {MIT},
Title = {{Fundamental Design Problems for the Hard Real-Time Environment}},
Type = {{Ph.D. Dissertation}},
Year = {1983}}
```

@article{Joseph1986,

```
IDS={RTA},
Author = {M. Joseph and P. Pandya},
Title = {{Finding Response Times in a Real-Time System}},
Journal = {Computer Journal},
Volume = {29},
Number = {5},
Pages = {390-395},
Year = {1986}}
```

@inproceedings{Baruah2011b,

```
IDS={AMC, Audsley_n(n+1)/2,SMC-NO},
author={S. K. {Baruah} and A. {Burns} and R. I. {Davis}},
booktitle={Proceedings of the 2011 IEEE 32nd Real-Time Systems Symposium},
title={Response-Time Analysis for Mixed Criticality Systems},
year={2011},
pages={34-43},
month=nov}
```

@article{Dorin2010,

```
IDS={Vestal-Optimal},
author = {Dorin, Fran\c{c}ois and Richard, Pascal and Richard, Micha\{e}l
and Goossens, Jo\{e}l},
title = {Schedulability and Sensitivity Analysis of Multiple Criticality
Tasks with Fixed-priorities},
journal = {Real-Time Systems},
volume = {46},
number = {3},
month = dec,
year = {2010},
pages = {305--331}}
```

@inproceedings{Baruah2013,

```
author = {Baruah, Sanjoy and Burns, Alan},
title = {{Fixed-Priority Scheduling of Dual-criticality Systems}},
booktitle = {Proceedings of the 21st International Conference on Real-Time
Networks and Systems},
year = {2013},
```

```
pages = {173--181}}
```

```
@inproceedings{FlemingBurns2013,
```

```
author = {Tom Fleming and Alan Burns},  
title = {{Extending Mixed Criticality Scheduling}},  
booktitle = {Proceedings of the 1st International Workshop on Mixed  
Criticality Systems},  
year = {2013},  
pages = {7--12}}
```

```
@inproceedings{Sha1986,
```

```
title = {{Solutions for Some Practical Problems in Prioritized Preemptive  
Scheduling}},  
author = {Lui Sha and Lehoczky, {John P.} and Ragunathan Rajkumar},  
year = {1986},  
month = dec,  
pages = {181--191},  
booktitle = {Proceedings of the IEEE 7th Real-Time Systems Symposium  
(RTSS)}
```

```
@techreport{Audsley1991,
```

```
IDS={OPA},  
author = {Neil C. Audsley},  
institution = {Department of Computer Science, University of York},  
number = {YCS-164},  
title = {{Optimal Priority Assignment and Feasibility of Static Priority  
Tasks With Arbitrary Start Times}},  
year = {1991}}
```

```
@inproceedings{Baruah2010b,
```

```
author = {S.K. Baruah and H. Li and L. Stougie},  
booktitle = {Proceedings of the 2010 IEEE Real-Time Technology and  
Applications Symposium (RTAS)},  
title = {{Towards the Design of Certifiable Mixed-Criticality Systems}},  
pages = {13--22},  
year = {2010}}
```

```
@inproceedings{LiBaruah2010a,
```

```
author = {H. Li and S.K. Baruah},  
booktitle = {Proceedings of the 31st IEEE Real-Time Systems Symposium  
(RTSS)},  
title = {{An Algorithm for Scheduling Certifiable Mixed-Criticality Sporadic  
Task Systems}},
```

```
pages = {183--192},  
year = {2010}}
```

```
@article{Baruah2012,
```

```
Author = {S.K. Baruah and V. Bonifaci and G. D'Angelo and H. Li and A.  
Marchetti-Spaccamela and N. Megow and L. Stougie},  
Title = {{Scheduling Real-Time Mixed-Criticality Jobs}},  
Journal = {IEEE Transactions on Computers},  
Volume = {61},  
Number = {8},  
Pages = {1140--1152},  
Year = {2012}}
```

```
@inproceedings{Baruah2012b,
```

```
author = {Sanjoy Baruah and V. Bonifaci and G. D'Angelo and H. Li and  
A. Marchetti-Spaccamela and S. van der Ster and L. Stougie},  
booktitle = {Proceedings of the 24th Euromicro Conference on Real-Time  
Systems (ECRTS)},  
title = {{The Preemptive Uniprocessor Scheduling of Mixed-Criticality  
Implicit-Deadline Sporadic Task Systems}},  
pages={145--154},  
year = {2012}
```

```
}
```

```
@inproceedings{ParkKim2011,
```

```
author = {T. Park and S Kim},  
title = {{Dynamic Scheduling Algorithm and its Schedulability Analysis for  
Certifiable Dual-Criticality Systems}},  
booktitle = {Proceedings of the 11th ACM Intl. Conf. on Embedded Software},  
pages = {253--262},  
year = {2011}}
```

```
@inproceedings{Baruah2010,
```

```
author = {S.K. Baruah and V. Bonifaci and G. D'Angelo and H. Li and A.  
Marchetti-Spaccamela and {etc.}},  
title = {{Scheduling Real-Time Mixed-Criticality Jobs}},  
booktitle = {Proceedings of the 35th Intl. Symp. on the Mathematical  
Foundations of Comp. Sci.},  
pages = {90--101},  
year = {2010}}
```

```
@inproceedings{LiBaruah2010b,
```

```
author = {H. Li and S.K. Baruah},  
title = {{Load-Based Schedulability Analysis of Certifiable Mixed-
```

```
Criticality Systems}},  
booktitle = {Proceedings of the 10th ACM SIGBED International Conference on  
Embedded Software (EMSOFT)},  
pages = {99--107},  
year = {2010}}
```

@inproceedings{Socci2013a,

```
author = {D. Socci and P. Poplavko and S. Bensalem and M. Bozga},  
title = {{Mixed Critical Earliest Deadline First}},  
booktitle = {Proceedings of the 25th Euromicro Conference on Real-Time  
Systems (ERTCS)},  
year = {2013}}
```

@inproceedings{Gu2013,

```
author = {C. Gu and N. Guan and Q. Dengl and W. Yi},  
title = {{Improving OCBP-based Scheduling for Mixed-Criticality Sporadic  
Task Systems}},  
booktitle = {Proceedings of the 19th IEEE International Conference on  
Embedded and Real-Time Computing Systems and Applications (RTCSA)},  
year = {2013}}
```

@inproceedings{Baruah2016,

```
Author = {S.K. Baruah and A. Easwaran and Z. Guo},  
Title = {{Mixed-Criticality Scheduling to Minimize Makespan}},  
booktitle = {Proceedings of the 36th Foundations of Software Technology and  
Theoretical Computer Science Conference},  
year = {2016}}
```

@techreport{Socci2015b,

```
Author = {D. Socci and P. Poplavko and S. Bensalem and M. Bozga},  
Institution = {Verimag, Batiment IMAG, Universit\ 'e Grenoble Alpes},  
Title= {{Time-Triggered Mixed-Critical Scheduler on Single- and  
Multiprocessor Platforms}},  
Number = {TR-2015-8},  
Year = {2015}}
```

@inproceedings{Kelly2011,

```
author={O.R. Kelly and H. Aydin and B. Zhao},  
booktitle={Proceedings of the 10th IEEE TrustCom},  
title={{On Partitioned Scheduling of Fixed-Priority Mixed-Criticality Task  
Sets}},  
year={2011},  
pages={12-17}}
```

@inproceedings{Rodriguez2013,

```
author={P. Rodriguez and L. George and Y. Abdeddaim and J. Goossens},
booktitle={Proceedings of the 1st International Workshop on Mixed
Criticality Systems, RTSS},
title={{Multi-Criteria Evaluation of Partitioned EDF-VD for Mixed
Criticality Systems Upon Identical Processors}},
year={2013},
pages={49-54},
month=dec}
```

@inproceedings{Gu2014,

```
author={C. Gu and N. Guan and Q. Deng and W. Yi},
booktitle={Proceedings of the 2014 Design, Automation and Test in Europe
Conference (DATE)},
title={{Partitioned Mixed-Criticality Scheduling on Multiprocessor
Platforms}},
year={2014},
pages={1-6}
}
```

@inproceedings{Han2016,

```
author={J.J. Han and X. Tao and D. Zhu and H. Aydin},
booktitle={Proceedings of the 45th International Conference on Parallel
Processing (ICPP)},
title={{Criticality-Aware Partitioning for Multicore Mixed-Criticality
Systems}},
year={2016},
pages={227-235}
}
```

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