

# Why NOT withdraw my resources?

Huu-Phuc Vo

## - From 2017-08 to 2018- 02

- I DID NOT have any supervision
- I DID NOT have any ISP.

## - From 2018-02-06 to 2019-06-12

- The net full-time study and research is **9 months**.

## - The link to the folder that contains all these evidence and ISP is here

([https://github.com/Phuc0/why\\_not\\_withdraw\\_resources](https://github.com/Phuc0/why_not_withdraw_resources)).

1. **isp\_2015\_2019 folder:** Individual study plan from 2015 to 2019.

([https://github.com/Phuc0/why\\_not\\_withdraw\\_resources/tree/master/isp\\_2015\\_2019](https://github.com/Phuc0/why_not_withdraw_resources/tree/master/isp_2015_2019))

2. **timeline.pdf:** Timeline from 11-2015 until now.

([https://github.com/Phuc0/why\\_not\\_withdraw\\_resources/blob/master/timeline.pdf](https://github.com/Phuc0/why_not_withdraw_resources/blob/master/timeline.pdf))

3. **why\_not\_withdraw\_resources.pdf:** Includes exchanged discussions via email with supervisors. Evidence of working continuously on ISP.

([https://github.com/Phuc0/why\\_not\\_withdraw\\_resources/blob/master/why\\_not\\_withdraw\\_resources.pdf](https://github.com/Phuc0/why_not_withdraw_resources/blob/master/why_not_withdraw_resources.pdf))

4. **work\_on\_isp\_goals:** Evidence of working on ISP from 2015 to 2019.

([https://github.com/Phuc0/why\\_not\\_withdraw\\_resources/tree/master/work\\_on\\_isp\\_goals](https://github.com/Phuc0/why_not_withdraw_resources/tree/master/work_on_isp_goals))

5. **workLog\_2018\_2019.pdf:** Worklog in details from 2018-2019.

([https://github.com/Phuc0/why\\_not\\_withdraw\\_resources/blob/master/workLog\\_2018\\_2019.pdf](https://github.com/Phuc0/why_not_withdraw_resources/blob/master/workLog_2018_2019.pdf))

6. **work\_at\_weekends folder:** Evidence shows that the ISP's goals and publication are identical.

([https://github.com/Phuc0/why\\_not\\_withdraw\\_resources/tree/master/work\\_at\\_weekends](https://github.com/Phuc0/why_not_withdraw_resources/tree/master/work_at_weekends))

## - From 2018-02 until so far, I have three 3-month ISPs since I changed my research topic from February 2018.

- Due to sick leave, parental leave, and VAB leave, the last revision date of 3-month ISP was compensated and extended.
- This recent ISP is planned for 3 months (12 weeks) including holidays.
- However, the total amount of time to work on these goals and courses are **more than 3 months (12 weeks)**. If the supervisors clearly ask me to work extra time, I would

consider to do that.

- Goal 1: applied logic course: 10 weeks.
  - Goal 2: repository: 2 weeks.
  - Academic teacher training course: 5 weeks (25 full-time working days).
  - Survey: 2 weeks, interleaving with doing above goals.
  - 1DL451 course: ??? weeks.
- **According to the current ISP, there are 2 goals and 2 remained goals from previous ISP.**
- Goal 1: “Applied Logic” course (10 weeks), there are 4 chapters with approximately 100 exercises to finish, I am still working on this goal by submitting solutions of exercises to my supervisors. Please refer to these evidence.  
([https://github.com/Phuc0/why\\_not\\_withdraw\\_resources/tree/master/work\\_on\\_isp\\_goals/goal1](https://github.com/Phuc0/why_not_withdraw_resources/tree/master/work_on_isp_goals/goal1)). This folder contains the emails show that I am working on this goal by submitting solutions and getting feedback from my supervisor.
  - Goal 2: “Repository” (2 weeks), I already submitted the source codes of models to my supervisors. After waiting for approximately a month, I reminded him to give me feedback. I am still working on this goal. Please refer to these evidence.  
([https://github.com/Phuc0/why\\_not\\_withdraw\\_resources/tree/master/work\\_on\\_isp\\_goals/goal2](https://github.com/Phuc0/why_not_withdraw_resources/tree/master/work_on_isp_goals/goal2)). This folder contains the emails that I discussed and submitted the work to my supervisor.
  - Extra goal: “Academic Teacher Training Course”, approved by the head of department.
    - I am still working on the course with the approval from the head of department. However, I have to work extra because the time for taking this course since the ISP plans the time for goal 1 (10 weeks) and goal 2 (2 weeks). The approval from the head of department could be found here:  
[https://github.com/Phuc0/why\\_not\\_withdraw\\_resources/tree/master/work\\_on\\_isp\\_goals/attc\\_7.5hp](https://github.com/Phuc0/why_not_withdraw_resources/tree/master/work_on_isp_goals/attc_7.5hp)
  - Remained\_1DL451 goal: Since goal 1 and 2 in the current ISP take 12 weeks (3 months), I had to discuss with the ombudsman and union when my supervisors asked me to retake this course. It means that the total time for these goals is more than 3 month. So far, I have contacted teacher of the course for retaking when we construct next ISP. Please refer to the link  
([https://github.com/Phuc0/why\\_not\\_withdraw\\_resources/tree/master/work\\_on\\_isp\\_goals/more\\_1DL451](https://github.com/Phuc0/why_not_withdraw_resources/tree/master/work_on_isp_goals/more_1DL451)). I took this project course 2 times before.
    - In the first time, the problem specification requires 1 solution with the given

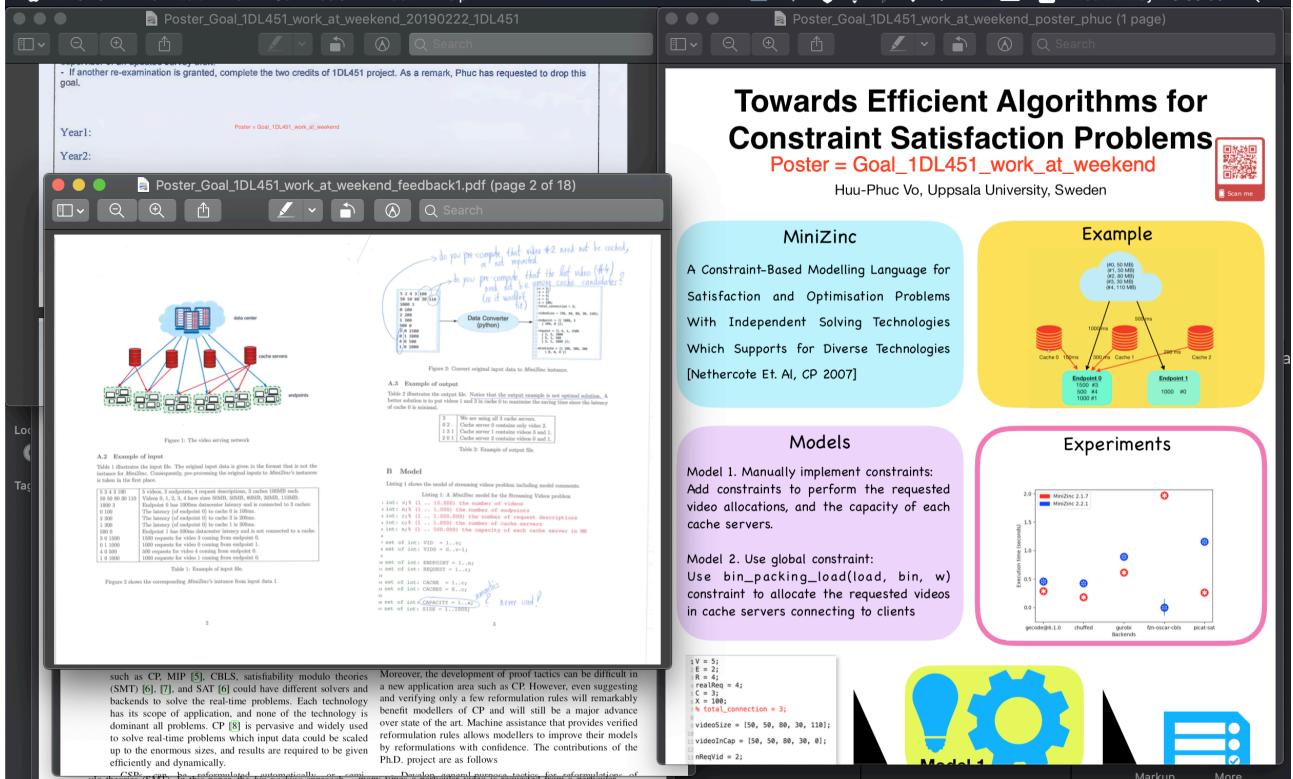
example. I submitted the solution. But the teacher did not rely on the specification, and asked me to do more than the given specification which was not specified in the problem specification before.

- In the second time, the teacher failed me because of the typo, grammar errors, and writing.
- In both cases, I asked for detailed explanation and evaluation criteria, but I did not get the measurable criteria to pass the course from the teacher.
- Remained\_survey: The requirement of the survey is 20 pages with good quality. In the first ISP, after the first 3-month full-time study, I submitted a 40 pages survey with 150 related papers in the references. However, my supervisors concluded it is not fulfill the requirements. They refused to provide the measurement and evaluation criteria for a survey which must be finished in 3 months.
  - While doing goal 1 and 2 in total 12 weeks, I had to work extra on revising the survey. Please refer to the link  
([https://github.com/Phuc0/why\\_not\\_withdraw\\_resources/tree/master/work\\_on\\_isp\\_goals/more\\_survey](https://github.com/Phuc0/why_not_withdraw_resources/tree/master/work_on_isp_goals/more_survey)).
  - In the very beginning, before working on the survey, I asked my supervisors about the “good quality” criteria within three months in case there are so many related work, but they did not give any measurement for this 3 months goal.
- **My publications:** These publications are the extension and inline with the 1DL451 course goal, and thesis title in my ISP. I just wonder whether something wrong if a PhD student spend his time at weekend to continue to extend the goals in his ISP.
  - At weekends, I extend the results of the course 1DL451, and develop my research plan from the thesis title in the ISP. Then I submitted these results to conferences. Since my supervisors numerous times refuses to help me in writing papers, so I have to do it at weekends, and I am the sole author. So far, two papers and one poster were accepted.
  - Publication #1: Poster at ETAPS conferences “Towards Efficient Algorithms for Constraint Satisfaction Problems”: this is the result of 1DL451 course final report. Please refer to the link  
([https://github.com/Phuc0/why\\_not\\_withdraw\\_resources/tree/master/work\\_at\\_weekends/poster1\\_etaps](https://github.com/Phuc0/why_not_withdraw_resources/tree/master/work_at_weekends/poster1_etaps)).  
This folder contains:
    - (1) 1DL451 course goal in the ISP;
    - (2) 1DL451 project report (version 1 and 4);

- (3) etaps poster which is the summary of revised version of 1DL451 course report;
  - (4) letter of acceptance from the ETAPS committee.
- Publication #2: Paper at CCGRID conference “Towards Efficient Solvers for Optimisation Problems”: this is the result of 1DL451 course final report. Please refer to the link  
[\(\[https://github.com/Phuc0/why\\\_not\\\_withdraw\\\_resources/tree/master/work\\\_at\\\_weekends/paper2\\\_ccgrid\]\(https://github.com/Phuc0/why\_not\_withdraw\_resources/tree/master/work\_at\_weekends/paper2\_ccgrid\)\).](https://github.com/Phuc0/why_not_withdraw_resources/tree/master/work_at_weekends/paper2_ccgrid)  
This folder of publication 2 contains
  - (1) 1DL451 course goal in the ISP;
  - (2) 1DL451 project report (version 1 and 4);
  - (3) CCGRID paper which is the revised version of 1DL451 course report;
  - (4) letter of acceptance from the CCGRID committee.
- Publication #3: Paper at ICAC conference “Machine-Assisted Reformulation for MiniZinc”: this paper is about the research plan which is written in my current ISP. Please refer to the link  
[\(\[https://github.com/Phuc0/why\\\_not\\\_withdraw\\\_resources/tree/master/work\\\_at\\\_weekends/paper3\\\_icac\]\(https://github.com/Phuc0/why\_not\_withdraw\_resources/tree/master/work\_at\_weekends/paper3\_icac\)\).](https://github.com/Phuc0/why_not_withdraw_resources/tree/master/work_at_weekends/paper3_icac)  
This folder of publication 3 contains
  - (1) thesis title in the ISP;
  - (2) ICAC paper which is the plan, goals to proceed my degree in the ISP;
  - (4) letter of acceptance from the ICAC committee.

**– Appendix: The link to the folder that contains all these evidence and ISP is here**

- Poster: Poster at ETAPS conferences “Towards Efficient Algorithms for Constraint Satisfaction Problems”



## ● Paper 1: Paper at CCGRID conference “Towards Efficient Solvers for Optimisation Problems”

**Paper2\_Goal\_1DL451\_work\_at\_weekend\_mail\_ccgrid (page 1 of 2)**

From: CCGRID 2019 <ccgrid2019@easyChair.org>  
Subject: CCGRID 2019 notification for paper 251  
Date: 20 February 2019 at 19:27  
To: Huu-Phuc Vo vphuc.fit@gmail.com

Dear Huu-Phuc Vo,

**Paper2 = Goal\_1DL451\_work\_at\_weekend**

Congratulations! We are delighted to inform you that your paper 251 entitled "Towards Efficient Solvers for Optimisation Problems" has been accepted to Doctoral Symposium Track in CCGrid 2019.

The shepherds for your paper are the Doctoral Symposium chairs Sandra Gesing (sandra.gesing@ntu.edu) and Jens Krüger (jens.krueger@uni-kuebingen.de). Please take into careful account the suggestions made by reviewers for improving the technical quality of your paper and its presentation. We kindly ask to address the reviewers' comments and send the revised paper and the answers to the reviewers' comments to your shepherds by March 1. This would allow the shepherds to do a final check before the camera-ready deadline.

The camera-ready version of your paper is due on March 28, 2019. Detailed instructions for preparing the camera-ready version and uploading it for the proceedings are available at <https://www.ccgrid2019.org/pages/presenters.html>

One author for each paper must register by the conference author registration deadline (March 28, 2019), so that the

**Paper2\_Goal\_1DL451\_work\_at\_weekend\_20190222\_1DL451.jsp**

Supervisor of an updated survey draft... If another re-examination is granted, complete the two credits of 1DL451 project. As a remark, Phuc has requested to drop this draft.

Year1: Paper 1 Date: 10-01-2019 work\_at\_weekend

Year2:

Year3:

Year4:

TEKNTAK 2018/26, version 2019-01-23 4 Signatures PhD student, supervisor, director of postgraduate studies, professor (4 pages)

**Paper2\_Goal\_1DL451\_work\_at\_weekend\_251ccgrid.pdf (page 1 of 4)**

**Paper2 = Goal\_1DL451\_work\_at\_weekend**

Towards Efficient Solvers for Optimisation Problems

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**Abstract—**Constraint programming (CP) is pervasive and widely used to solve real-time problems which input data could be scaled up to the huge sizes, and the results are required to be generated in real-time. Many solving techniques such as CP, hybrid technologies, mixed integer programming (MIP), constraint-based local search (CBLS), boolean satisfiability (SAT) could have different solvers and backends to solve the real-time problems. Streaming video problem is one of them that requires to decide which videos to put in which cache servers in order to minimize the waiting time for all requests with a description of cache servers, network topology and videos are given. In this paper, we model the streaming video problem in two different ways. The first model is implemented using heuristics, and the global constraints are used in the second model.

**Figure 1: The video serving network**

**Paper2\_Goal\_1DL451\_work\_at\_weekend\_feedback4.pdf (page 1 of 6)**

27th November 2018

**A Alternative Model**

As the discussion in the presentation session on 20 September and the meeting on 17 October 2018, the `bin_packing_load` constraint could be used as an alternative model. The `bin_packing_load(Var[int] of var int: load, array[int] of var int: Bin, int of int) of int: w1` constraint requires that each item  $i$  with weight  $w(i)$  be put into bin  $b$  if  $w(i) \leq load(b)$ . The number of items in each bin  $b$  is equal to  $load(b)$ . In this problem, with the view point of video serving network, cache server  $i$  corresponds to the video item  $w(i)$ . Each cache server  $i$  is corresponding to one bin, so cache servers are bins. We note that the video request descriptions are stored in the data center. In the section *Task of the problem*, [descriptions at page 1] requires to decide which videos to put in which cache server, and at page 4 it's a format section saying that "it is not necessary to describe all cache servers", so, it's not necessary to consider data center as a cache server in the *Streaming Video* problem.

**A.1 Description**

*but this implied cache takes the requests*

The `bin_packing_load` model includes constraints that consider the caches as bins, with maximum capacity of cache servers will be stored in the data center. In the section *Task of the problem*, [descriptions at page 1] requires to decide which videos to put in which cache server, and at page 4 it's a format section saying that "it is not necessary to describe all cache servers", so, it's not necessary to consider data center as a cache server in the *Streaming Video* problem.

**Paper3=Goal\_1DL451\_work\_at\_weekend**

**Listing 1: A `bin_packing_load` MiniZinc model for the Streaming Videos problem**

```

1 include "globals.mzn";
2
3 int: V; % the number of videos
4 int: B; % the number of endpoints
5 int: R; % the number of request descriptions
6 int: C; % the number of cache servers

```

## ● Paper 2: ICAC = thesis title: “Machine-Assisted Reformulation for MiniZinc”

**Paper3\_Goal\_1DL451\_work\_at\_weekend\_icac2019\_phuc\_v1final.pdf (page 1 of 3)**

From: ICAC 2019 <icac2019@easyChair.org>  
Subject: ICAC 2019 notification for your submission (#5)  
Date: 1 April 2019 at 16:57  
To: huu-phuc.v@it.uu.se  
Cc: Azier Bestavros best@bu.edu

Dear Huu-Phuc Vo,

Thank you for submitting your thesis proposal to the Doctoral Symposium of ICAC 2019.

We are happy to inform you that your submission has been accepted for presentation and inclusion in the proceedings.

Please find the reviewers' evaluations below and take them into account for preparing the final version of your abstract and presentation.

The camera-ready (CR) abstract should be 2 pages max (including references) and be formatted according to the [IEEE Computer Society Press proceedings style guide](http://www.ieee.org/iel5/7590/759005/759005.pdf) (as indicated on the main conference's page).

The deadline for submitting the CR version is April 20th.

**Paper3\_Goal\_1DL451\_work\_at\_weekend\_mail\_FAS (page 1 of 2)**

From: Ada Diaconescu ada.diaconescu@telecom-paristech.fr  
Subject: FAS' DS 2019: notification for your submission (#5)  
Date: 1 April 2019 at 16:57  
To: huu-phuc.v@it.uu.se  
Cc: Azier Bestavros best@bu.edu

Dear Huu-Phuc Vo,

Thank you for submitting your thesis proposal to the Doctoral Symposium of FAS' 2019.

We are happy to inform you that your submission has been accepted for presentation and inclusion in the proceedings.

Please find the reviewers' evaluations below and take them into account for preparing the final version of your abstract and presentation.

The camera-ready (CR) abstract should be 2 pages max (including references) and be formatted according to the [IEEE Computer Society Press proceedings style guide](http://www.ieee.org/iel5/7590/759005/759005.pdf) (as indicated on the main conference's page).

The deadline for submitting the CR version is April 20th.

**Paper3\_Goal\_1DL451\_work\_at\_weekend\_20180222\_thesis\_title**

**Preliminary title of thesis<sup>12</sup>: Machine-Assisted Support for MiniZinc Reformulation**

**Financing plan for entire programme period<sup>13</sup>**

Type of employment/financial support:	Period	Financing from:
<input checked="" type="checkbox"/> Doctoral student employment at UU	2015-11-10-2017-12-31	20% GU 80% FoFu CSD
<input type="checkbox"/> Doctoral student employed by company	2018-01-01-2020-09-18	100% FoFu CSD
<input type="checkbox"/> Doctoral student at another higher education institution		
<input type="checkbox"/> Scholarship		
<input type="checkbox"/> SIDA-financed doctoral student "residence grant"		
<input type="checkbox"/> Other		

If other than doctoral student employment at Uppsala University, please specify financing, amount and time period.  
Note that doctoral students who are financed by scholarships may receive supplementary funding for postgraduate students if the scholarship amount is not equivalent to the net amount of a doctoral student's salary.