

## The 2017 Ukraine North Contest report

The 2017 ACM ICPC Ukraine North Contest took place on March, 25, 2017.

This year 121 teams from 17 universities in North region were registered in the contest.

116 teams participated in the contest.

E-platform of the contest for the North region is based on e-judge system that installed and work on the remote server at the Sumy State University.

The set of tasks can be found [here](#). The scoreboard indicating the current standings of teams was maintained by ejudge system, and can be found [here](#).

Results of Universities-participants:

### 1. Chernihiv National University of Technology (UA)

| Rank | Institution                                 | Team                 | Problems solved | Total Time |
|------|---|----------------------|-----------------|------------|
| 35   | Chernihiv National University of Technology | CNUT_Scarlet_Crusade | 5               | 12472      |
| 47   | Chernihiv National University of Technology | CNUT_155.9           | 4               | 6166       |
| 59   | Chernihiv National University of Technology | CNUT_Initium         | 3               | 3228       |
| 77   | Chernihiv National University of Technology | CNUT_5d0             | 2               | 309        |
| 82   | Chernihiv National University of Technology | CNUT_NpT             | 2               | 6166       |
| 87   | Chernihiv National University of Technology | CNUT_47              | 1               | 67         |
| 115  | Chernihiv National University of Technology | CNUT_SyndikatTEAM    | 0               | 0          |
| 116  | Chernihiv National University of Technology | CNUT_BNK_Developer   | 0               | 0          |

### 2. Chernihiv National Pedagogical University (UA)

| Rank | Institution                                | Team        | Problems solved | Total Time |
|------|--|-------------|-----------------|------------|
| 43   | Chernihiv National Pedagogical Universitet | ChNPU_FM-17 | 4               | 3244       |

### 3. Kiev National Trade and Economics University (UA)

| Rank | Institution                                  | Team            | Problems solved | Total Time |
|------|--|-----------------|-----------------|------------|
| 57   | Kiev National Trade and Economics University | KNTEU_SAD_BOYS  | 3               | 255        |
| 83   | Kiev National Trade and Economics University | KNTEU_Argus     | 1               | 27         |
| 102  | Kiev National Trade and Economics University | KNTEU_FMTP_3_17 | 0               | 0          |

|     |  |               |   |   |
|-----|--|---------------|---|---|
| 105 | Kyiv National Trade and Economics University | KNTEU_FOAIS_2 | 0 | 0 |
|-----|--|---------------|---|---|

#### 4. Kyiv National University of Construction and Architecture (UA)

| Rank | Institution   | Team              | Problems solved | Total Time |
|------|---|-------------------|-----------------|------------|
| 53   | Kyiv National University of Construction and Architecture | KNUBA_GOTO        | 3               | 150        |
| 60   | Kyiv National University of Construction and Architecture | KNUBA_ORIGINALS   | 3               | 3912       |
| 71   | Kyiv National University of Construction and Architecture | KNUBA_COMPILATION | 2               | 75         |
| 76   | Kyiv National University of Construction and Architecture | KNUBA_CODING      | 2               | 153        |
| 103  | Kyiv National University of Construction and Architecture | KNUBA_ROSE        | 0               | 0          |

#### 5. National Aviation University (UA)

| Rank | Institution                       | Team                 | Problems solved | Total Time |
|------|-----------------------------------|----------------------|-----------------|------------|
| 98   | National Aviation University (UA) | NAU_Agile developers | 1               | 4639       |

#### 6. National Pedagogical University named after M.P. Dragomanov (UA)

| Rank | Institution   | Team        | Problems solved | Total Time |
|------|---|-------------|-----------------|------------|
| 27   | National Pedagogical University named after M.P. Dragomanov | NPU_noBugEx | 5               | 248        |
| 58   | National Pedagogical University named after M.P. Dragomanov | NPU_IPZ     | 3               | 1407       |
| 104  | National Pedagogical University named after M.P. Dragomanov | NPU_KiNo    | 0               | 0          |

#### 7. National Technical University of Ukraine "Kiev Polytechnic Institute" (UA)

| Rank | Institution   | Team                | Problems solved | Total Time |
|------|---|---------------------|-----------------|------------|
| 5    | National Technical University of Ukraine "Kiev Polytechnic Institute" | KPI BayWatch        | 11              | 28519      |
| 10   | National Technical University of Ukraine "Kiev Polytechnic Institute" | NTUU_KPI_Hindenburg | 9               | 9757       |
| 15   | National Technical University of Ukraine "Kiev Polytechnic Institute" | NTUU_KPI_ZeDaw      | 8               | 9958       |

|     |   |                             |   |      |
|-----|---|-----------------------------|---|------|
| 26  | National Technical University of Ukraine "Kiev Polytechnic Institute" | NTUU_KPI_IT_62              | 5 | 243  |
| 31  | National Technical University of Ukraine "Kiev Polytechnic Institute" | KPI_CST                     | 5 | 3025 |
| 33  | National Technical University of Ukraine "Kiev Polytechnic Institute" | NTUU_KPI_Challenge Accepted | 5 | 4891 |
| 39  | National Technical University of Ukraine "Kiev Polytechnic Institute" | NTUU_KPI_KDI                | 4 | 273  |
| 41  | National Technical University of Ukraine "Kiev Polytechnic Institute" | NTUU_KPI_Alligators         | 4 | 507  |
| 61  | National Technical University of Ukraine "Kiev Polytechnic Institute" | NTUU_KPI_NewFolder          | 3 | 4755 |
| 101 | National Technical University of Ukraine "Kiev Polytechnic Institute" | KPI_Na_DO                   | 0 | 0    |

#### 8. National University of Food Technologies (UA)

| Rank | Institution                              | Team                       | Problems solved | Total Time |
|------|--|----------------------------|-----------------|------------|
| 62   | National University of Food Technologies | NUFT_Mandelbrot's_children | 3               | 4804       |
| 65   | National University of Food Technologies | NUFT_Makeguile             | 3               | 9303       |
| 86   | National University of Food Technologies | NUFT_Small_Bang            | 1               | 65         |
| 91   | National University of Food Technologies | NUFT_Pink_Unicorn          | 1               | 114        |

#### 9. National University of Life and Environmental Sciences (UA)

| Rank | Institution  | Team               | Problems solved | Total Time |
|------|--|--------------------|-----------------|------------|
| 38   | National University of Life and Environmental Sciences | NUBiP_#timeless    | 4               | 169        |
| 54   | National University of Life and Environmental Sciences | NUBiP_NoName       | 3               | 152        |
| 56   | National University of Life and Environmental Sciences | NUBiP_Enigma       | 3               | 211        |
| 63   | National University of Life and Environmental Sciences | NUBiP_ShortCircuit | 3               | 4819       |
| 73   | National University of Life and Environmental Sciences | NUBiP_fixies       | 2               | 103        |

|     |  |                   |   |      |
|-----|--|-------------------|---|------|
| 74  | National University of Life and Environmental Sciences | NUBiP_IceBreaker  | 2 | 124  |
| 75  | National University of Life and Environmental Sciences | NUBiP_AFC         | 2 | 138  |
| 79  | National University of Life and Environmental Sciences | NUBiP_Girls_KN    | 2 | 4653 |
| 80  | National University of Life and Environmental Sciences | NUBiP_bilyash     | 2 | 4786 |
| 89  | National University of Life and Environmental Sciences | NUBiP_Brain_Hub   | 1 | 88   |
| 90  | National University of Life and Environmental Sciences | NUBiP_127_0_0_1   | 1 | 96   |
| 96  | National University of Life and Environmental Sciences | NUBiP_XMan        | 1 | 4576 |
| 107 | National University of Life and Environmental Sciences | NUBiP_Electron    | 0 | 0    |
| 108 | National University of Life and Environmental Sciences | NUBiP_Developers2 | 0 | 0    |
| 109 | National University of Life and Environmental Sciences | NUBiP_FirstKN     | 0 | 0    |

#### 10. National University of State Tax Service of Ukraine (UA)

| Rank | Institution   | Team           | Problems solved | Total Time |
|------|---|----------------|-----------------|------------|
| 48   | National University of State Tax Service of Ukraine | NUSTA_Taxman_1 | 4               | 9716       |
| 72   | National University of State Tax Service of Ukraine | NUSTA_Taxman_2 | 2               | 91         |

#### 11. Nizhyn Gogol State University (UA)

| Rank | Institution                        | Team           | Problems solved | Total Time |
|------|------------------------------------|----------------|-----------------|------------|
| 52   | Nizhyn Gogol State University (UA) | NDU_Romashka++ | 3               | 144        |

#### 12. State University of Telecommunications (UA)

| Rank | Institution                                 | Team        | Problems solved | Total Time |
|------|---|-------------|-----------------|------------|
| 78   | State University of Telecommunications (UA) | SUT_Eclipse | 2               | 1415       |

13. Sumy State University (UA)

| Rank | Institution           | Team          | Problems solved | Total Time |
|------|-----------------------|---------------|-----------------|------------|
| 30   | Sumy State University | SSU_KAM       | 5               | 405        |
| 42   | Sumy State University | SSU_Lamers    | 4               | 731        |
| 94   | Sumy State University | SSU_Dreamteam | 1               | 206        |

14. Taras Shevchenko National University of Kyiv (UA)

| Rank | Institution                                  | Team                | Problems solved | Total Time |
|------|--|---------------------|-----------------|------------|
| 1    | Taras Shevchenko National University of Kyiv | KNU KEK             | 12              | 19076      |
| 2    | Taras Shevchenko National University of Kyiv | KNU EjudgeCrashers  | 12              | 23593      |
| 3    | Taras Shevchenko National University of Kyiv | KNU WakeUp          | 11              | 493        |
| 4    | Taras Shevchenko National University of Kyiv | KNU We_love_Emilija | 11              | 9989       |
| 6    | Taras Shevchenko National University of Kyiv | KNU OGs             | 10              | 1301       |
| 7    | Taras Shevchenko National University of Kyiv | KNU \$teamName      | 10              | 9622       |
| 8    | Taras Shevchenko National University of Kyiv | KNU StraightArms    | 10              | 19051      |
| 11   | Taras Shevchenko National University of Kyiv | KNU Predecessors    | 9               | 9770       |
| 12   | Taras Shevchenko National University of Kyiv | KNU Sojourners      | 9               | 23851      |
| 13   | Taras Shevchenko National University of Kyiv | KNU Tripovalnya     | 8               | 4921       |
| 14   | Taras Shevchenko National University of Kyiv | KNU Bananas         | 8               | 9502       |
| 16   | Taras Shevchenko National University of Kyiv | KNU PureVirtual     | 8               | 23854      |
| 17   | Taras Shevchenko National University of Kyiv | KNU Po              | 7               | 398        |
| 18   | Taras Shevchenko National University of Kyiv | KNU Crutchbusters   | 7               | 4955       |

|     |  |                            |   |       |
|-----|--|----------------------------|---|-------|
| 19  | Taras Shevchenko National University of Kyiv | KNU Potom Pridumaem        | 7 | 5109  |
| 20  | Taras Shevchenko National University of Kyiv | KNU Convinced pirates      | 7 | 9495  |
| 21  | Taras Shevchenko National University of Kyiv | KNUcurver                  | 7 | 18604 |
| 22  | Taras Shevchenko National University of Kyiv | KNU MagiC++                | 6 | 4941  |
| 24  | Taras Shevchenko National University of Kyiv | KNU datasource             | 6 | 14122 |
| 25  | Taras Shevchenko National University of Kyiv | KNU Smith_Akbar            | 6 | 14394 |
| 28  | Taras Shevchenko National University of Kyiv | KNU IGnOR                  | 5 | 367   |
| 29  | Taras Shevchenko National University of Kyiv | KNU PAKETA                 | 5 | 398   |
| 32  | Taras Shevchenko National University of Kyiv | KNU Fahrenheit 451         | 5 | 4826  |
| 34  | Taras Shevchenko National University of Kyiv | TSKNU_Radiophysics         | 5 | 9716  |
| 37  | Taras Shevchenko National University of Kyiv | KNU Madokami & Black Tulip | 4 | 162   |
| 44  | Taras Shevchenko National University of Kyiv | KNU A-Team                 | 4 | 4771  |
| 45  | Taras Shevchenko National University of Kyiv | KNU PotataBananaaaa        | 4 | 5016  |
| 46  | Taras Shevchenko National University of Kyiv | KNUVelosiped               | 4 | 5093  |
| 51  | Taras Shevchenko National University of Kyiv | KNU Fabulous               | 4 | 18449 |
| 55  | Taras Shevchenko National University of Kyiv | KNU .                      | 3 | 161   |
| 69  | Taras Shevchenko National University of Kyiv | KNU Alpha team             | 3 | 13899 |
| 97  | Taras Shevchenko National University of Kyiv | KNU 13 pixels              | 1 | 4577  |
| 114 | Taras Shevchenko National University of Kyiv | KNU avenged_2th            | 0 | 0     |

15. **Vadym Getman Kiev National Economic University (UA)**

| Rank | Institution                                    | Team               | Problems solved | Total Time |
|------|--|--------------------|-----------------|------------|
| 9    | Vadym Getman Kiev National Economic University | KNEU_Binary        | 9               | 8919       |
| 70   | Vadym Getman Kiev National Economic University | KNEU_Development   | 2               | 43         |
| 85   | Vadym Getman Kiev National Economic University | KNEU_VARD          | 1               | 57         |
| 93   | Vadym Getman Kiev National Economic University | KNEU_SSD           | 1               | 194        |
| 95   | Vadym Getman Kiev National Economic University | KNEU_Dreamteam     | 1               | 1348       |
| 100  | Vadym Getman Kiev National Economic University | KNEU_Unoutfoxables | 0               | 0          |

#### 16. Zhytomyr Institute of Engineering and Technology (UA)

| Rank | Institution                                      | Team               | Problems solved | Total Time |
|------|--|--------------------|-----------------|------------|
| 23   | Zhytomyr Institute of Engineering and Technology | ZSTU_4yx-4yx       | 6               | 11356      |
| 40   | Zhytomyr Institute of Engineering and Technology | ZSTU_NoteCode      | 4               | 293        |
| 50   | Zhytomyr Institute of Engineering and Technology | ZSTU_GeekMen       | 4               | 11551      |
| 64   | Zhytomyr Institute of Engineering and Technology | ZSTU_GBG           | 3               | 5710       |
| 81   | Zhytomyr Institute of Engineering and Technology | ZSTU_DLS           | 2               | 5645       |
| 99   | Zhytomyr Institute of Engineering and Technology | ZSTU_TWIT          | 1               | 5624       |
| 111  | Zhytomyr Institute of Engineering and Technology | ZSTU_DivineCodersq | 0               | 0          |
| 113  | Zhytomyr Institute of Engineering and Technology | ZSTU_PHP_TEAM      | 0               | 0          |

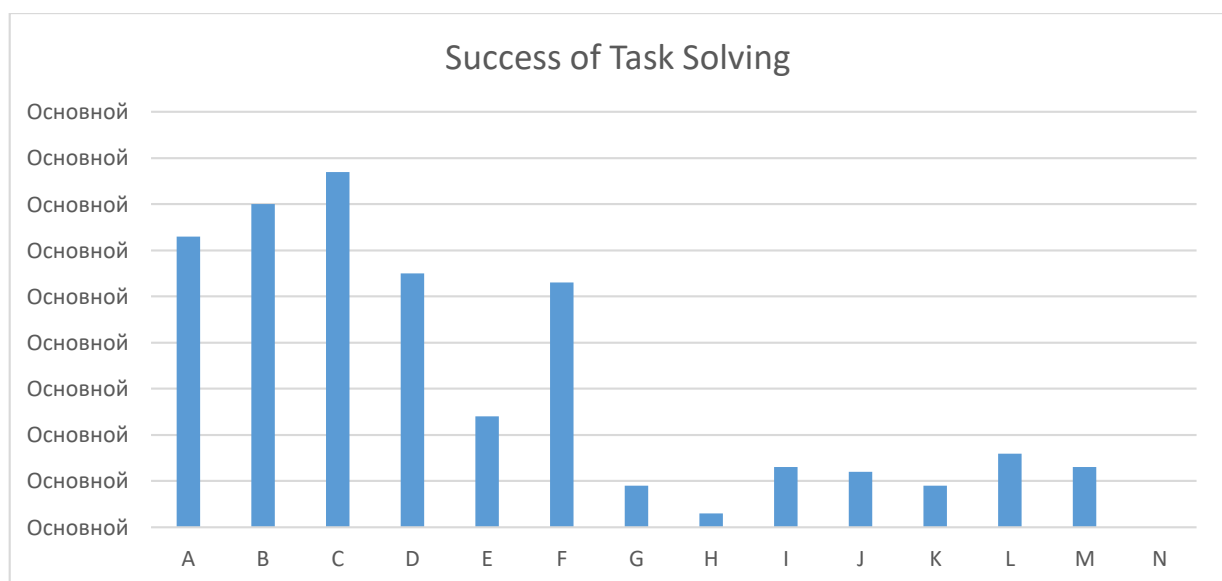
#### 17. Zhytomyr State University named after Ivan Franko (UA)

| Rank | Institution                                       | Team                           | Problems solved | Total Time |
|------|---|--------------------------------|-----------------|------------|
| 36   | Zhytomyr State University named after Ivan Franko | ZhSU_if else if else statement | 4               | 96         |

|     |   |                    |   |       |
|-----|---|--------------------|---|-------|
| 49  | Zhytomyr State University named after Ivan Franko | ZhSU_Tarasoft_Corp | 4 | 11409 |
| 66  | Zhytomyr State University named after Ivan Franko | ZhSU_Sky.NET       | 3 | 11351 |
| 67  | Zhytomyr State University named after Ivan Franko | ZhSU_4bit          | 3 | 11376 |
| 68  | Zhytomyr State University named after Ivan Franko | ZhSU_Robotyagi     | 3 | 11480 |
| 84  | Zhytomyr State University named after Ivan Franko | ZhSU_Zhuchata      | 1 | 32    |
| 88  | Zhytomyr State University named after Ivan Franko | ZhSU_Dream_Team    | 1 | 80    |
| 92  | Zhytomyr State University named after Ivan Franko | ZhSU_Silent        | 1 | 120   |
| 112 | Zhytomyr State University named after Ivan Franko | ZhSU_TLP           | 0 | 0     |

#### 18. Borys Grinchenko Kyiv University (UA)

| Rank | Institution                           | Team       | Problems solved | Total Time |
|------|---------------------------------------|------------|-----------------|------------|
| 106  | Borys Grinchenko Kyiv University (UA) | Grinchenko | 0               | 0          |



The coordinators of are grateful to all participants and colleagues. Special thanks for cooperation to Sergey Petrov (Sumy State University) and Volodymyr Mesyura (Vinnytsia National Technical University).

The program of the contest was as follows:

|                  |
|------------------|
| Date/time Action |
|------------------|



|   |
|---|
| March, 25, 9-00 – 9-30 Teams registration                               |
| March, 25, 9-30 – 9-45 Opening procedure                                |
| March, 25, 9-45 – 10-00 Sortition                                       |
| March, 25, 10-00 – 15-00 Main contest                                   |
| March, 25, 15-10 – 16-00 Tasks solution discussion                      |
| March, 27, 15-00 – 18-00 Tasks solution discussion, determining winners |

This year North Contest coordinators are:

Olena Glazunova, National University of Life and Environmental Sciences

Oleksandr Halkin, Taras Shevchenko Kyiv National University

Sergiy Sylantsev, Vadym Getman Kyiv National Economic University

Zhukovskiy Sergey, Zhytomyr State University named after Ivan Franko

Petrov Sergii, Sumy State University

Zhytnyk Oleh, Chernihiv National University of Technology